chanhvinh.com



WWW.FLEXICON.UK.COM

MADE IN THE UK

FLEXICON

FLEXIBLE CONDUIT SOLUTIONS

11TH edition









product & solutions guide

THE POWER IN CABLE MANAGEMENT













WWW.FLEXICON.UK.COM

THE POWER IN CABLE MANAGEMENT

PRODUCTS & SOLUTIONS GUIDE - 11th Edition

chanhvinh.com



Foreword



Welcome to the 11th edition of our product and selection guide.

Since our last publication, the Flexicon Group has expanded in a number of areas. Our already comprehensive product range has now increased to 52 metallic and non-metallic systems. Growth in markets such as Hazardous areas, the Food and Beverage sector along with Renewable Energy, and further expansion in existing markets has seen the Group continue to achieve its strategic growth objectives.

The Flexicon Group is proud of its British Manufacturing heritage. Over 98% of our products are manufactured in our centre of excellence in Birmingham, UK. Continuous investment in our facilities, research and development and people have contributed to the Group's market leading position in Cable Protection Systems.

Aligning with our business growth, we continue to invest in developing new and innovative products to further satisfy our Customers' expectations. Utilising world-class technological know-how we continue to develop Flexible Conduit solutions, providing new products for some of the most demanding markets for Cable Protection, including Rail, Transport, Renewables, Utilities, Petrochemical and Food and Beverage sectors.

Expansion of our international network of Distribution continues, offering a truly global reach but we are not stopping there. We have plans to add more representation in the coming years to achieve our strategic goals and further strengthen the Flexicon brand. With the capability to service our customers' needs on a worldwide basis, we understand the value of delivering excellent Customer service.

With superior Technical support we are the experts you can rely on for your Cable protection needs. Our Customers are central to everything we do and our mission is to constantly exceed their expectations. Our ongoing commitment and dedication has seen us become globally recognised as a specialist in Cable Protection and Flexible Conduit Solutions.

We look forward to further supporting our loyal and new Customers with this 11th edition product and selection guide.

www.flexicon.uk.com

MADE IN THE UK

chanhvinh.com

Contents

Introduction

why choose Flexicon - group introduction and global presence 4
NEW products 6
application solutions 8

non-metallic conduit and fittings 14

conduit selection guide 16
non-metallic fittings selection guide 18
conduits: FPAS/FPAL/FPAH - standard, lightweight and heavyweight PA6 flexible conduit 20
FPR/FPADS/FPI/FPIH - LFH (PA6) double slit and standard & heavyweight (PA12) flexible conduit 21
FPP/FPP-NFR/FPPH - polypropylene, flexible conduit 22
corrugated conduit accessories - clips, clamps, end caps and rubber end caps NEW 22
FPA type fittings 24
FPA BRASS thread type fittings NEW 27
FPAX type fittings 30
FPAX BRASS thread type fittings NEW 33
FPA & FPAX T Pieces and Dividers NEW 36
Flexilok® fittings NEW 38
FPL - upvc corrugated pliable conduit & fittings 40
white products - conduit and accessories NEW 41
FPY/FPYS/FPYL/FPYLS - lightweight corrugated PA6 flexible conduit 42
MP/MPS type fittings 43
FPY large corrugated - nylon large diameter flexible conduit & fittings 44
conduit fixing accessories 45
FPC/FPCG/FPCGN/FPCBU - pvc spiral flexible conduit & fittings LTS - liquid tight sheathing 46
LPC/LPCG/LPCGN/LPCO/LPCBU - pvc spiral smooth conduit & fittings NEW 48

metallic conduit and fittings 52

conduit selection guide 54
metallic fittings selection guide 56
FU/SSU - flexible steel conduit & fittings 58
FSU/FNU - flexible coated steel conduit & fittings 60
LFHU/FPU - flexible coated steel conduit & fittings NEW 62
LTP/LTPAS/LTPHC/LTPUL/LTPLFH - liquid tight flexible coated conduit & fittings NEW 64
LTPSS/LTPPU/LTPPUAS/LTBRDP/LTBRDLFH - specialist liquid tight flexible coated conduit & fittings NEW 66
EXD - flameproof conduit fittings NEW 68
EXD - flameproof braided conduit fittings NEW 70
EXE - conduit fittings NEW 71
EXD - accessories NEW 72
FL/FLP - pliable steel conduit & fittings 74
Ultrascreen® LFHP - pliable coated steel conduit & fittings NEW 75
FSB/LFHUBRD - flexible coated steel conduit with overbraid & fittings 76
FB/FUSSB - flexible steel conduit with overbraid & fittings 78
LTPBRD - liquid tight flexible coated steel conduit with overbraid & fittings 80
FPRSS/FPRTC/FPISS/FPIHSS - flexible PA6 and PA12 corrugated conduit with overbraid & fittings 82
conduit fittings offering integral strain relief NEW 84
FTCB braided sleeving NEW 85

accessories

locknuts, stopping plugs, conduit clips, heavy duty clamps, thread converters, cable glands and tools NEW 86-89

contractor packs

PVC, slit polypropylene, PA6, PVC spiral, polypropylene, steel with PVC coating NEW 90

technical data

resistance to chemicals - non-metallic 92
resistance to chemicals - metallic 94
thread data and IP ratings 96-97
cutting and assembly guidance - conduit mounting options - EXD gland instructions 98-101
performance of low fire hazard conduits & fittings 102
quality approvals 104
part number index 106
connection boxes for specialist applications 113

chanhvinh.com



Flexicon Group Introduction



Utilising the latest technologies in production and automation, our manufacturing expertise and efficiencies allow us to be competitive in today's Global marketplace. Continuous investment in people, product innovation and engineering excellence is at the centre of everything we do.

From our manufacturing centre of excellence in Birmingham, United Kingdom, our comprehensive stock holding and wide distribution network enables us to deliver service excellence to meet our customers' demands faster, ensuring you can count on us.

MADE IN THE UK

Flexicon offers…

FLEXICON FLEXIBLE CONDUIT SOLUTIONS



- Independently tested products that comply with and exceed relevant global standards
- User friendly solutions offering time saving innovations
- Precision engineered quality products from the global experts
- Custom made solutions capability - bespoke or made to order assemblies
- Global distribution serving our worldwide customer base
- Continuous product development and investment in products for the future

Flexicon PTY

FLEXICON FLEXIBLE CONDUIT SOLUTIONS

With a dedicated Sales and Distribution operation in Australia, located in Sydney and Melbourne along with distribution centres throughout the country, we are well placed to serve the Australian market. With some of the most highly demanding environmental conditions, our product range has become well established as the Market Leader and the trade's choice when it comes to performance and reliability.





Griflex

GRIFLEX hose & ducting solutions

Griflex, our sister company is a leading manufacturer providing hose & ducting solutions for the UK and overseas. Our products are available in a range of sizes from ¼" to 10" internal diameter and are intended for use in a diverse range of applications. These include the suction and delivery of water, oil, sewage, slurries, powders and the conveyance of liquids and gasses in factory air lines, pneumatic equipment & general workshop use.

For further information on the Griflex range of hose, tube & ducting please call **+44 (0)1675 464803** or email **sales@griflex.com**





Flexicon a Global Presence



- *Excellence through engineering*
- *Progression through innovation*
- *Assurance through competence*



www.flexicon.us.com | www.flexicon.uk.com | www.flexicon.eu.com | www.flexiconaustralia.com

Flexicon - when quality, safety and value counts

Our product offering has been developed and tested to the most demanding quality standards and has been awarded quality approvals and compliance worldwide;

BS EN IEC 61386

We offer you peace of mind when it comes to your supply chain for flexible conduit and accessories.
Are you confident your current solution has been independently tested and offers compliance to local and global standards?

chanhvinh.com



What's New?

NEW

As a progressive company we are continually investing in new product development to expand our range hence offering you more choice. Some of our recent product developments are highlighted below;

Anti-static Liquid Tight Conduits – PVC and PU variants

- Compliant with Clause 7.4 of EN 60079-0 offering anti-static performance properties
- Suitable for use with Flexicon EXD and EXE glands
- Size range of 16mm up to 63mm



Page **64 & 66**

EXE – Conduit Fittings

- Suitable for use with any of Flexicon's Liquid Tight Range of conduits
- IP66 performance
- Tested and compliant with



Page **71**

EXD elbows 45° and 90°

- Ideal for use in Hazardous Area Applications when Bending radius of conduit is restricted
- Tested and compliant with
- Size range of 16mm up to 63mm available



Page **69**

Low Fire Hazard Liquid Tight Conduits

- Liquid Tight performance combined with Low Fire Hazard coating
- Approved for use by London Underground – Product Registration Certificates 658 & 2020
- Size range of 16mm up to 32mm available



Page **64 & 66**

F-Clamps – Heavy Duty clamps

- Heavy duty fixing solution for corrugated conduit in Dynamic Applications
- Internal rib prevents conduit from being pulled through
- Size range of 16mm up to 80mm available



Page **45**

4 tooth Flexilok™ derivative (42 and 54mm)

- Additional teeth provide 4 fixing points around 360° on conduit for added system security
- Available with Metric and PG thread options
- Dedicated removal tool allows easy removal if necessary



Page **38**

LPC Food Grade Conduit

- Smooth cover non-metallic flexible conduit
- Manufactured from material listed in European food regulation EU 10/2011
- IP66, IP67, IP68 and IP69 performance



Page **48**

Food Grade – Stainless Steel Fitting

- Designed in accordance with EN 1672-2 and EN ISO 14159. Manufactured from Stainless Steel (316L)
- Suitable for use with our LPCG food grade conduit range.
- IP66, IP67, IP68 and IP69 performance



Page **51**

Product Focus - The Ultimate Fitting



FPA & FPAX
the ***ultimate*** range of nylon PA66 fittings

- **Very fast fit** less than 3 seconds
- **Ultra high tensile strength** 70kg
- **High IP rating** IP66 + IP67 + IP68 (2 bar) + IP69



REACh RoHS Achilles Link-up Registered FM68347 UKAS
Lloyd's Register TYPE APPROVAL c US c UL UNDERGROUND BS EN IEC 61386 CE

3D / 2D CAD Drawings available:

- Multiple CAD drawing format
- Product data sheets
- Technical support and guidance on suitability
- Customised product development

Available through our website



1 The *Ultimate* Security

Safest fitting

All round teeth provide anti vibration protection together with a high pull off strength, i.e. 40kg with FPAS21 conduit and 70kg with FPAH21 conduit

2 The *Ultimate* Connection

Performance you can rely on

Ingress Protection

- FPA IP66
- FPAX IP66 + IP67+ IP68 (2 bar)+IP69

3 The *Ultimate* Simplicity & Speed

Fast fit

Push fit connection suitable for fine & coarse pitch Nylon and Polypropylene Conduits. Can be fitted in less than 3 seconds.

4 The *Ultimate* Range

10mm up to 67mm in black or grey

13 conduit sizes with Metric, PG, NPT and UNEF thread variants available as well as Nickel plated brass threads

5 The *Ultimate* in Convenience

Ready to install

Nylon metric threads supplied with glass reinforced nylon locknuts. FPAX fittings supplied with face sealing washers

6 The *Ultimate* Removal facility

Reduce whole life costs

Can be removed using a screwdriver if required

The *Ultimate* Choice!

chanhvinh.com



Solutions for...



Construction

Whether it's for conventional power cables or the latest cable specification for data networking, flexible conduit offers the ideal solution for cable routing and protection for all building types.

Typical products include



FU
Products & systems



FSU
Products & systems



LFHU
Low fire hazard products & systems



Flexilok™
Nylon products & systems

Industry Approvals

REACh RoHS

BS EN IEC 61386 CE

Manufacturing & Automation

This sector demands reliability due to the potentially significant cost implications of downtime. A constant strive for efficiency often results in faster speeds and more intense usage. Mechanical strength, flexibility, abrasion resistance and the ability to withstand repeated movements are typical requirements.

Typical products include



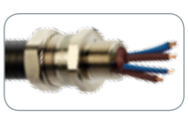
LTP
Liquid tight systems



FP
Nylon products & systems



LPC
Spiral reinforced products & systems



EXD
Hazardous area products

Industry Approvals

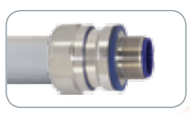
REACh RoHS

BS EN IEC 61386 CE

Food & Beverage

Whether it's the food processing, beverage and brewery, dairy or sugar sectors the demands are stringent when it comes to quality, innovation and health and safety. Our product lines offer reliability and performance essential for todays high productivity requirements.

Typical products include



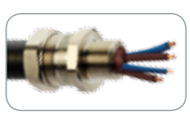
Stainless Steel fittings
Liquid tight systems



LPC
Spiral reinforced products & systems



LT
Liquid tight systems



EXD
Hazardous area products

Industry Approvals

REACh RoHS

BS EN IEC 61386 CE

FDA

chanhvinh.com



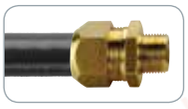
Solutions for...



Defence & Marine

Flexicon offer an expanding range of products for this demanding sector. Requiring protection of critical systems this sector demands reliability within the severest of environments.

Typical products include



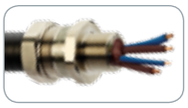
ULTRASCREEN®
Pliable products and systems



SS
Stainless steel products & systems



LT
Liquid tight systems



EXD
Hazardous area products

Industry Approvals

REACh RoHS

Lloyd's Register TYPE APPROVAL · cULus

Ex IEC IECEx · PG

BS EN IEC 61386 · CE

NATO N:Cage Number U5256

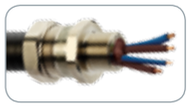
Utilities

Security of supply efficiency and reliability are all critical factors when it comes to this sector. With a growing population the demands on utilities infrastructure is becoming critical.

Typical products include



LT
Liquid tight systems



EXD
Hazardous area products



BRD
Braided systems



FP
Nylon products and systems

Industry Approvals

REACh RoHS

Lloyd's Register TYPE APPROVAL · cULus

Ex IEC IECEx · PG

BS EN IEC 61386 · CE

Renewables

Alternative energy sources are becoming well established and integral to Government energy policies. This has seen the emergence of photovoltaics, wind and tidal power all of which have different cable protection needs. Renewable technologies are also increasing in applications such as electric vehicles.

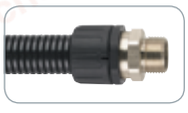
Typical products include



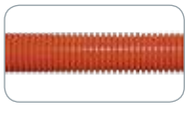
LTBRD
Internal braided liquid tight



FPADS
Double slit systems



FP
Nylon products and systems



Orange Conduit
Electric and hybrid vehicles

Industry Approvals

REACh RoHS

Lloyd's Register TYPE APPROVAL · cULus

BS EN IEC 61386 · CE

chanhvinh.com

Flexicon Rolling Stock





Flexicon offer a range of products for this technically demanding sector. IP ratings, tensile strength characteristics, weight, corrosion resistances, fire performance properties and operating temperature ranges are all factors to consider.

Station Area Requirements:

- Vandal resistance
- High IP ratings for external and exposed areas
- Aesthetics in passenger facing areas
- Enhanced Low Fire Hazard performance in Metro and heavily enclosed platform and passenger areas



LFHUBRD



FPAS



LTPBRD

Industry Approvals

REACh RoHS

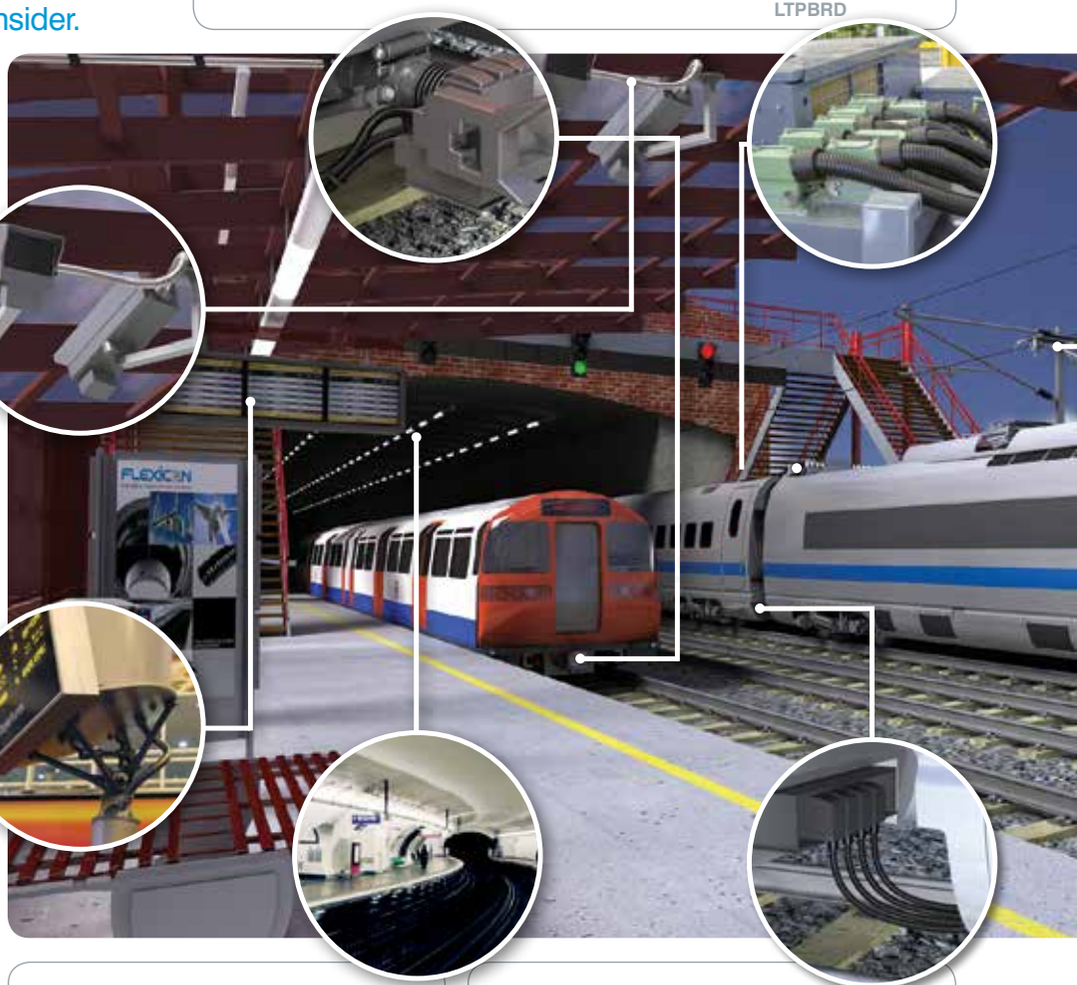
BS EN IEC 61386 CE

member of the railalliance

IEC IECEx UNDERGROUND

Link-up Registered Achilles

UL c US



Fire Performance

Flexicon holds a wide range of Product Registration Certificates issued by Transport for London, London Underground Ltd. For simplicity we identify and classify our product offer using the following symbols to denote their fire performance;

STANDARD LOW FIRE HAZARD ★ EXTRA LOW FIRE HAZARD ★★ INHERENT LOW FIRE HAZARD ★★★

Tunnel Requirements:

- Enhanced fire protection properties
- Mechanical performance
- Corrosion protection



LFHU



LTPLFH

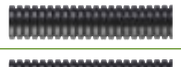
Rail Carriage Requirements:

- Fire protection properties
- Low weight
- Range of fittings and accessories
- EMI screening



FPR with EMI Screening

Non-Metallic Conduits

FPR		**Construction:** Standard weight nylon (highly flame retardant PA6) corrugated flexible conduit. Colour black.
FPI		**Construction:** Standard weight nylon (PA12) corrugated flexible conduit. Colour black.
FPIH		**Construction:** Heavyweight nylon (PA12) corrugated flexible conduit. Colour black.
FPAH		**Construction:** Heavyweight, flame retardant, nylon (PA6) corrugated flexible conduit. Colour black.



Flexicon Infrastructure

Exterior Vehicle Requirements:

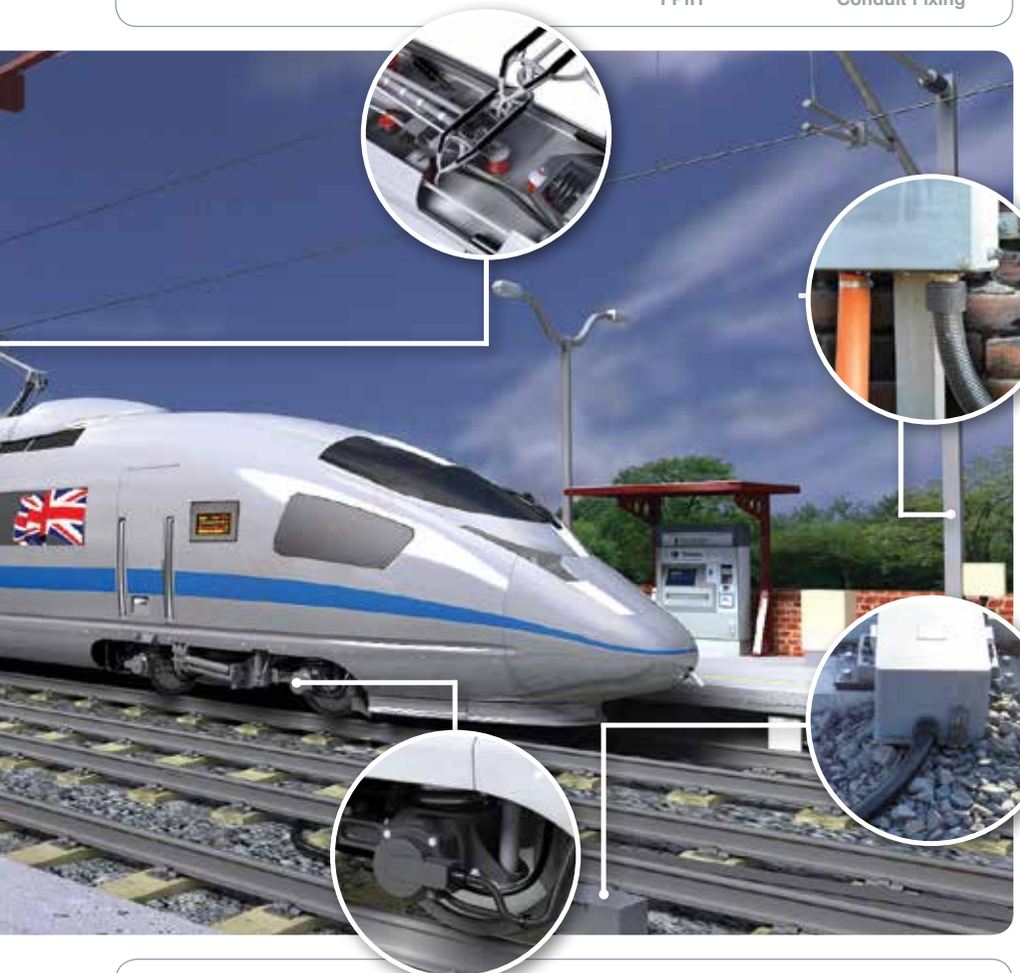
- High impact resistance to ballast and abrasion
- High tensile strengths
- High vibration resistance
- High resistance to oil and chemicals
- High ingress protection (IP)
- Resistance to UV
- EMI Screening



FPIH



Conduit Fixing



Trackside Area Requirements:

- Ballast impact and vibration protection
- Ingress protection - Possible exposure to submersion
- Resistance to oils and chemicals
- UV protection
- Temperature performance
- Corrosion protection



FPAH

Flexicon Offers…

- High performance products offering superior tensile and impact / compression strength
- Designed to meet the strictest standards – EMC testing / vibration
- Wide product range to meet all applications
- Independently tested to the relevant standards
- Vibration proof
- Anti-tamper



Technical Services & Support

- 3D/2D CAD drawings in multiple formats
- Product data sheets
- Technical support and guidance on suitability
- Customised product development

Metallic Conduits

LFHU		**Construction:** Galvanised steel, helically wound, flexible steel conduit with Low Fire Hazard (LFH) coating. Colour black.
LTPLFH		**Construction:** Galvanised steel, helically wound, flexible conduit with smooth oil resistant Low Fire Hazard (LFH) cover. Colour black.
LFHUBRD		**Construction:** Galvanised steel, helically wound, flexible conduit with extra LFH coating and stainless steel (316) overbraid.
LTBRDLFH		**Construction:** Galvanised steel, helically wound, flexible conduit with smooth oil resistant Low Fire Hazard (LFH) cover. Colour black.



Hazardous Area Applications



In certain sectors of industry, flammable substances such as gases, vapours, mist or dust can escape during manufacture, processing, storage and transport thus potentially creating an explosive atmosphere. Our new range of high performance products have been designed for highly demanding applications and meet the latest relevant ATEX, IECEx and GOST requirements.



Ideally suited for the following industries:

- Oil & Gas - Upstream, Midstream, Downstream Applications
- Chemical & Pharmaceutical
- Food & Beverage

Industry Approvals

BS EN IEC 61386

FM58347

0518

member of the railalliance

Performance

Low Fire Hazard (LFH)	STANDARD LOW FIRE HAZARD ★ · EXTRA LOW FIRE HAZARD ★★ · INHERENT LOW FIRE HAZARD ★★★
EMC Screening Performance	STANDARD EMC SCREEN ★ · ENHANCED EMC SCREEN ★★ · SUPER EMC SCREEN ★★★
Anti-Static Performance	AS ANTI-STATIC

Flammable Mixtures & Ignition Sources

Flammable gases when mixed with air can be explosive. Gases are categorised into 3 groups with Group A being the least explosive and Group C being the most explosive. Equipment is also classified from T1 to T6 according to maximum allowed temperature of the equipment to prevent ignition of the gas/air mixture it is designed to work in.

Certain fine dusts dispersed in air can also be explosive.

Ignition sources include: sparking due to static discharge, electrical arcs, lightning, hot engine exhaust, hot equipment and heat from chemical reactions.

Flexicon's EXD barrier glands range can be used in Zone 1 and Zone 2 areas where Group A, B or C gases are present. As the gland does not add to the temperature of the enclosure, it does not have a temperature classification and so can be used with all temperature classes. Flexicon's EXD barrier glands can also be used in Zone 21 and Zone 22 where explosive dust may be present.



Liquid tight conduit range

Conduit	LTP/LTPAS	LTPHC	LTPLFH	LTPUL



Why Use Conduit Over Cable?

In summary, using a Flexicon conduit system with our EXD barrier glands or EXE fittings can provide the following benefits over cable:

- Simplified termination and greater enclosure integrity
- No need for specialist cables
- Flameproof integrity with EXD glands
- Reduced installation time - less terminations
- Can provide EMC screening (braided versions)
- Future proofing the installation - easier to upgrade
- Cable is mechanically protected
- No need for use of SWA cables
- Increased safety and Dust ignition protection with EXE fittings

Anti-Static Applications

AS ANTI-STATIC NEW

Clause 7.4 of EN60079-0 refers to the avoidance of a build-up of electrostatic charge on Group I or Group II electrical equipment. Electrical equipment shall be so designed that under normal conditions of use, maintenance and cleaning, danger of ignition due to electrostatic charges shall be avoided. This requirement is satisfied by suitable selection of the material so that surface resistance complies with either of the limits given below when measured in accordance with 26.13; $10^9\Omega$ measured at (50 ± 5) % relative humidity; or $10^{11}\Omega$ measured at (30 ± 5) % relative humidity. **Flexicon have two ranges of anti-static performance coated liquid tight systems.**

Hazardous Area Approvals - EXD now featuring Group 1 approvals

The following table provides further information and details on our ATEX, IECEx and GOST approvals for our straight EXD glands.

Group I	**ATEX APPROVAL to EN60079-0 2009**	**Sira Certificate no:**	**Sira 10ATEX1172X**
	Ex d Flameproof	Ex d I Mb	EN 60079-1 2007
	Ex e Increased Safety	Ex e I Mb	EN 60079-7 2007
	IECEx APPROVAL to IEC60079-0 2007	**Sira Certificate no:**	**IECEx SIR 10.0094X**
	Ex d Flameproof	Ex d I Mb	IEC 60079-1 2007
	Ex e Increased Safety	Ex e I Mb	IEC 60079-7 2006-7
Group II	**ATEX APPROVAL to EN60079-0 2009**	**Sira Certificate no:**	**Sira 10ATEX1172X**
	Ex d Flameproof	Ex d II C Gb	EN 60079-1 2007
	Ex e Increased Safety	Ex e II C Gb	EN 60079-7 2007
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X	IEC 60079-31 2008
	IECEx APPROVAL to IEC60079-0 2007	**Sira Certificate no:**	**IECEx SIR 10.0094X**
	Ex d Flameproof	Ex d II C Gb	IEC 60079-1 2007
	Ex e Increased Safety	Ex e II C Gb	IEC 60079-7 2006-7
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X	IEC 60079-31 2008
	GOST APPROVAL no.	**POCC GB.HO06.B00207**	

See page 71 for information on EXE gland approvals

EXD Barrier Glands



See Pg 68, 69 & 70

EXE Fittings



See Pg 71

EXD Accessories



See Pg 72 & 73








With over 24 different non-metallic conduit systems to choose from we are sure to have a system to meet your application. Systems are available in a wide variety of sizes, ranging from 7mm up to 106mm, manufactured from a range of materials offering different properties.



KEY FEATURES

- Wide range of sizes
- Light weight
- Easy to cut
- High fatigue life
- Superior IP ratings - up to IP69
- Slit versions available
- Non corrosive
- Highly flexible

KEY BENEFITS

- Suitable for a wide range of applications
- Easy to work with for ease of installation
- Reduced installation times
- Reduced whole life costs
- No risk of water or dust ingress
- Suitable for retrofit applications
- Suitable for diverse environments
- Movement without any impact on performance

chanhvinh.com



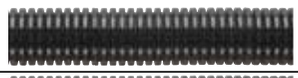
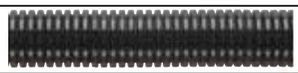
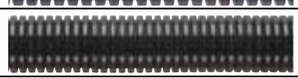
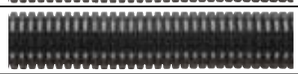
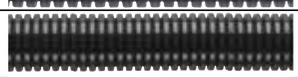
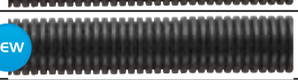
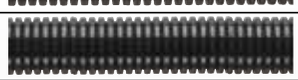
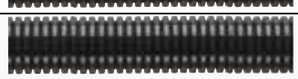
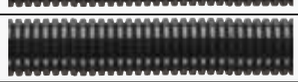
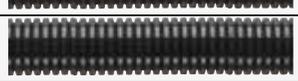
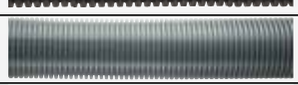
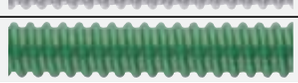
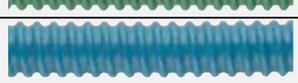
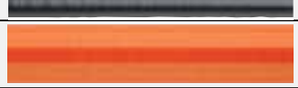
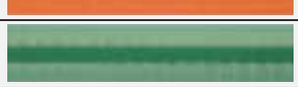
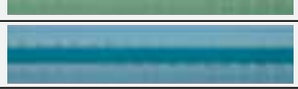



non-metallic conduit & fittings

UNDERGROUND RoHS REACh BS EN IEC 61386 CE Lloyd's Register TYPE APPROVAL

chanhvinh.com

non-metallic conduit application guide

Page number	conduit system		IP rating available	compression strength kg/100mm 21/20mm nominal size	pull-off strength kg 21/20mm nominal size	Colours
20	**FPAS** nylon LFH PA6 corrugated, std weight		IP66, IP67, IP68, IP69	75	40	Black, Grey
20	**FPAL** nylon PA6 corrugated, light weight		IP66, IP67, IP68, IP69	60	30	Black, Grey
20	**FPAH** nylon LFH PA6 corrugated, heavy weight		IP66, IP67, IP68, IP69	120	70	Black
21	**FPR** nylon extra LFH PA6 corrugated, std weight		IP66, IP67, IP68, IP69	75	40	Black
21	**FPI** nylon PA12 corrugated, standard weight		IP66, IP67, IP68, IP69	45	30	Black
21	**FPIH** nylon PA12 corrugated, heavy weight		IP66, IP67, IP68, IP69	60	50	Black
21	**FPADS** nylon PA6 double slit corrugated		IP40	60	15	Black
22	**FPP** polypropylene corrugated, std weight		IP40, IP66, IP67, IP68	35	25	Black, Grey, White
22	**FPP-NFR** polypropylene corrugated non flame retarded NEW		IP40, IP66, IP67, IP68	35	25	Black, Grey
22	**FPPH** polypropylene corrugated heavy weight NEW		IP40, IP66, IP67, IP68	100	40	Black, Grey
40	**FPL** upvc corrugated		IP40, IP66, IP67	150	30	Black, Grey, White
42	**FPY** nylon PA6 corrugated		IP40, IP67	60	25	Black
42	**FPYS** slit nylon PA6 corrugated		N/A	N/A	N/A	Black
42	**FPYL** nylon PA6 corrugated, light weight		IP40, IP67	45	15	Black
42	**FPYLS** slit nylon PA6 corrugated, light weight		N/A	N/A	N/A	Black
44	**FPY** nylon PA6, large diameter		IP40, IP65	N/A	N/A	Black, Grey
46	**FPCB** pvc spiral reinforced black		IP65	60	25	Black
46	**FPCG** pvc spiral reinforced grey		IP65	60	25	Light Grey
46	**FPCGN** pvc spiral reinforced green oil resistant		IP65	60	25	Green
46	**FPCBU** pvc spiral reinforced blue high temperature		IP65	60	25	Blue
48	**LPC** smooth, pvc spiral reinforced		IP66, IP67, IP68, IP69	120	70	Black, Light Grey
48	**LPCO** smooth pvc spiral orange ultra flexible		IP66, IP67, IP68, IP69	120	45	Orange
48	**LPCGN** smooth pvc spiral green oil resistant		IP66, IP67, IP68, IP69	120	60	Green
48	**LPCBU** smooth pvc spiral blue high temperature		IP66, IP67, IP68, IP69	120	60	Blue

For Nylon / FPP ranges: **Grey RAL 7031**
For FPC and LPC ranges: **Light Grey RAL 7001, Blue RAL 5012 Green RAL 6001, Orange RAL 2008**

86 accessories 90 contractor packs 92 chemical resistance

non-metallic conduit and fittings

high fatigue life	temperature range	flexible	pliable	low fire hazard	halogen free	self extinguishing	high abrasion resistance	high UV outdoor use	
●	-40˚C to +120˚C	●		●	●	●	●	●	**FPAS** nylon LFH PA6 corrugated, std weight
●	-40˚C to +120˚C	●			●	●			**FPAL** nylon PA6 corrugated, light weight
	-40˚C to +120˚C	●		●	●	●	●	●	**FPAH** nylon LFH PA6 corrugated, heavy weight
	-40˚C to +120˚C	●		●	●	●	●	●	**FPR** nylon extra LFH PA6 corrugated, std weight
●	-50˚C to +110˚C	●		●	●	●		●	**FPI** nylon PA12 corrugated, standard weight
●	-50˚C to +110˚C	●		●	●	●		●	**FPIH** nylon PA12 corrugated, heavy weight
	-40˚C to +120˚C		●		●	●	●	●	**FPADS** nylon PA6 double slit corrugated
	-20˚C to +90˚C	●				●			**FPP** polypropylene corrugated, std weight
	-20˚C to +90˚C	●			●				**FPP-NFR** polypropylene corrugated non flame retarded
	-20˚C to +90˚C	●				●			**FPPH** polypropylene corrugated heavy weight
	-5˚C to +70˚C		●			●		●	**FPL** upvc corrugated
●	-40˚C to +120˚C	●			●	●			**FPY** nylon PA6 corrugated
	-40˚C to +120˚C	●			●	●			**FPYS** slit nylon PA6 corrugated
	-40˚C to +120˚C	●			●				**FPYL** nylon PA6 corrugated, light weight
	-40˚C to +120˚C	●			●				**FPYLS** slit nylon PA6 corrugated, light weight
	-40˚C to +120˚C	●			●	●		●	**FPY** nylon PA6, large diameter
	-5˚C to +70˚C	●				●		●	**FPCB** pvc spiral reinforced black
	-20˚C to +70˚C	●				●			**FPCG** pvc spiral reinforced grey
	-20˚C to +70˚C	●				●			**FPCGN** pvc spiral reinforced green oil resistant
	-20˚C to +90˚C	●				●			**FPCBU** pvc spiral reinforced blue high temperature
	-5˚C to +70˚C	●				●		●	**LPC** smooth, pvc spiral reinforced
	-20˚C to +70˚C	●				●			**LPCO** smooth pvc spiral orange ultra flexible
	-20˚C to +70˚C	●				●			**LPCGN** smooth pvc spiral green oil resistant
	-20˚C to +90˚C	●				●			**LPCBU** smooth pvc spiral blue high temperature

chanhvinh.com



non-metallic selection guide

BS EN IEC 61386

- UK manufactured products to the highest standards
- Highest IP performance as standard
- Highest tensile strength performance fittings - FPA and FPAX due to all round teeth design
- Simple construction for ease of installation - Fixed and Swivel versions
- Multiple thread variations available - Metric, PG, NPT, UNEF, external threads, internal threads, integral strain relief versions
- Tested and approved to the latest National and International Standards
- Vibration tested for secure installations
- Widest choice whatever your application

FLEXILOK™ Fittings



IP66

See Pg 38, 39, 40 & 41

Compression Fittings



IP40 IP67

See Pg 43, 46, 47 & 49

Flange



IP40 IP65

See Pg 44

Accessories



Stopping Plugs



Clips/Clamp



See Pg 22, 45, 86, 87 & 88








IP66

FPA

Straight Fittings - 10mm to 67mm



IP66

See Pg 24 & 27

90˚ Elbow - 10mm to 67mm



IP66

See Pg 24, 25, 27 & 28

45˚ Elbow - 16mm To 54mm



IP66

See Pg 25, 26 & 28

Coupler | Coupler - Flexible to Rigid Conduit | T-Pieces | Reducer | Reducing Divider



IP66

See Pg 26

See Pg 36

Fittings with Integral Strain Relief



IP66

See Pg 29

IP66 IP67 IP68 IP69

FPAX

Straight Fittings - 13mm to 54mm



IP66 IP67 IP68 IP69

See Pg 30 & 33

90˚ Elbow - 13mm to 54mm



IP66 IP67 IP68 IP69

See Pg 31, 33 & 34

45˚ Elbow - 16mm To 54mm



IP66 IP67 IP68 IP69

See Pg 32 & 34

T-Pieces | Reducer | Reducing Divider



IP66 IP67 IP68 IP69

See Pg 37

Fittings with Integral Strain Relief



IP66 IP67 IP68 IP69

See Pg 35

Non-metallic systems are typically lighter, easier to work with and more cost effective to install. With advances in material technologies non-metallic systems can provide an alternative solution where typically only metal systems had been considered previously.

non-metallic conduit and fittings

FPAS

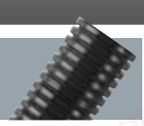


Construction: Standard weight, flame retardant nylon (PA6) corrugated flexible conduit. Colour black or grey (RAL 7031). Orange available on request.*

Typical Applications: All types of machinery, public buildings.

- Highly flexible and high fatigue life
- High impact strength and recovers if crushed
- Temperature range -40˚C to +120˚C (-20˚C to +100˚C for moving applications)
- Lloyd's Register Type Approval
- UL listed / UL recognised
- Low Fire Hazard (LFH), see page 102
- UL 94 V2 flame retardancy
- Halogen, sulphur and phosphorus free
- UV resistant (black)
- Abrasion resistant
- Highly resistant to solvents and oils
- Slit version also available FPAS-S please contact us

FPAL



Construction: Light weight nylon (PA6) corrugated flexible conduit. Colour black or grey (RAL 7031).

Typical Applications: Machines where lower mechanical protection is required and buildings.

- Highly flexible and high fatigue life
- High impact strength and recovers if crushed
- Temperature range -40˚C to +120˚C (-20˚C to +100˚C for moving applications)
- UL recognised
- Highly resistant to solvents and oils
- Self extinguishing
- Halogen, sulphur and phosphorus free

FPAH



Construction: Heavy weight, flame retardant, nylon (PA6) corrugated flexible conduit. Colour black.

Typical Applications: All types of machinery and public buildings where high mechanical strength required.

- High mechanical strength
- High impact resistance
- Temperature range -40˚C to +120˚C
- UL recognised
- Low Fire Hazard (LFH), see page 102
- UL 94 V2 flame retardancy
- Halogen, sulphur and phosphorus free
- UV resistant
- Abrasion resistant
- Highly resistant to solvents and oils

european (NW) sizes	nominal size (mm)	pitch	FPAS part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	FPAL part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	FPAH part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
7	10	F	FPAS10	50	10.0	6.3	15	FPAL10	50	10.0	6.5	15					
8	11	F	FPAS11	50	11.5	8.2	20	FPAL11	50	11.5	8.4	20					
10	13	F	FPAS13	25, 50	13.0	9.8	25	FPAL13	50	13.0	10.0	25	FPAH13	50	13.0	9.0	35
12	16	F	FPAS16	25, 50	15.8	11.8	35	FPAL16	50	15.8	12.0	35	FPAH16	50	15.8	11.5	45
14	18	F	FPAS18	50	18.5	14.2	40	FPAL18	50	18.5	14.2	35					
	20	C	FPAS20	10, 25, 50	20.0	14.8	45	FPAL20	50	20.0	15.0	40					
17	21	F	FPAS21	10, 25, 50	21.2	16.7	45	FPAL21	50	21.2	16.9	40					
	21	C											FPAH21	50	21.2	15.5	55
	25	C	FPAS25	10, 25, 50	25.0	19.1	50	FPAL25	50	25.0	19.3	45					
23	28	F	FPAS28	10, 25, 50	28.5	22.8	50	FPAL28	50	28.5	23.0	45					
	28	C	FPAS28C*	50	28.5	21.6	50						FPAH28	50	28.5	21.3	60
29	34	C	FPAS34	25, 50	34.5	28.1	60	FPAL34	25, 50	34.5	28.3	55	FPAH34	25	34.5	27.6	70
29	34	F	FPAS34F	50	34.5	28.8	60										
36	42	C	FPAS42	10, 25, 50	42.5	35.5	70	FPAL42	25	42.5	35.7	65	FPAH42	25	42.5	34.6	80
48	54	C	FPAS54	10, 25, 50	54.5	47.2	80	FPAL54	25	54.5	47.4	80	FPAH54	25	54.5	46.0	90
56	67	C	FPAS67	10	67.2	56.3	130	FPAL67	10	67.2	56.5	110					

F = fine pitch C = coarse pitch

NOTE: Other reel lengths are available upon request

Ordering Notes

- Specify black or grey (B = Black, G = Grey) and reel length eg: FPAS21B-50M for a Black 50m reel
- Some reel lengths are MTO in grey
- See cutting tool page 89

* Indicates parts made to order on request and may be subject to MOQ and lead time

- **Available on request:**
- longer lengths and bulk packaging
- cut lengths and assemblies
- other colours
- full copies of independent test results confirming LFH properties
- conduit with pre-installed draw wire
- fine pitch 34mm sizes
- Contractor Packs available see page 90 & 91



We have a range of products that can offer properties dependant on your requirement for impact resistance, flexibility, fatigue life, operating temperature and fire performance to name but a few.

MORE CONDUITS OVERLEAF!

FPR



Construction: Standard weight nylon (highly flame retardant PA6) corrugated flexible conduit. Colour black.

Typical Applications: Railways, underground and public buildings.

- Highly flexible and high fatigue life
- High impact strength and recovers if crushed
- Temperature range -40˚C to +120˚C (-20˚C to +100˚C for moving applications)
- UL recognised
- Lloyd's Register Type Approval
- Extra Low Fire Hazard (LFH)
- Compliant to LUL Std 1-085
- UL 94 V0 flame retardancy
- Halogen, sulphur and phosphorus free
- UV resistant
- Abrasion resistant
- Highly resistant to solvents and oils

FPADS



Construction: Double slit nylon (PA6) corrugated conduit. Colour black.

Typical Applications: Retrofit and cable assemblies with pre terminated plugs.

- Made from 2 interlocking slit corrugated conduits
- Temperature range -40˚C to +120˚C
- Cables can be inserted laterally
- Provides abrasion resistance and routing of cables for static applications
- Self extinguishing
- Halogen, sulphur and phosphorus free
- UV resistant

FPI



Construction: Standard weight nylon (PA12) corrugated flexible conduit. Colour black.

Typical Applications: Robots and continual flexing.

- Highly flexible
- Exceptional fatigue life
- High impact resistance even at very low temperatures
- UV resistant
- Displays self recovery if crushed
- Temperature range -50˚C to +110˚C
- UL recognised
- Highly resistant to solvents and oils
- Self extinguishing
- Low fire hazard
- Halogen, sulphur and phosphorus free

FPIH



Construction: Heavy weight nylon (PA12) corrugated flexible conduit. Colour black.

Typical Applications: Robots and continual flexing where higher mechanical strength required.

- Highly flexible and high fatigue life
- High mechanical strength
- High impact resistance even at very low temperatures
- UV resistant
- Displays self recovery if crushed
- Temperature range -50˚C to +110˚C
- UL recognised
- Highly resistant to solvents and oils
- Self extinguishing
- Low fire hazard
- Halogen, sulphur and phosphorus free

european (NW) sizes	nominal size (mm)	pitch	FPR part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	FPADS part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	FPI part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	FPIH part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
7	10	F	FPR10	50	10.0	6.3	15															
8	11	F						FPADS11*	50	11.5	6.2	70										
10	13	F	FPR13	50	13.0	9.8	25	FPADS13	50	13.0	7.9	75	FPI13	50	13.0	9.8	25	FPIH13	50	13.0	9.0	25
12	16	F	FPR16	50	15.8	11.8	35	FPADS16	50	15.8	10.3	100	FPI16	50	15.8	11.8	30	FPIH16	50	15.8	11.5	35
14	18	F																				
	20	C	FPR20	50	20.0	14.8	45															
17	21	F	FPR21	50	21.2	16.7	45	FPADS21	50	21.2	13.9	120	FPI21	50	21.2	16.7	35					
	21	C																FPIH21	50	21.2	15.0	45
	25	C	FPR25	50	25.0	19.1	50															
23	28	F																				
	28	C	FPR28	50	28.5	21.7	50	FPADS28	50	28.5	20.5	170	FPI28	50	28.5	21.7	45	FPIH28	50	28.5	21.3	50
29	34	C	FPR34	50	34.5	28.1	60	FPADS34	25	34.5	26.6	180	FPI34	25	34.5	28.1	55	FPIH34	25	34.5	27.6	60
29	34	F																				
36	42	C	FPR42	25	42.5	35.5	70	FPADS42	25	42.5	32.0	200	FPI42	25	42.5	35.5	60	FPIH42	25	42.5	34.6	70
48	54	C	FPR54	25	54.5	47.2	80	FPADS54	25	54.5	43.0	240	FPI54	25	54.5	47.2	70	FPIH54	25	54.5	46.0	80
56	67	C											FPI67	10	67.2	56.3	120					

F = fine pitch C = coarse pitch

NOTE: refer to conduit properties for applicable standards

Standards

BS EN IEC 61386

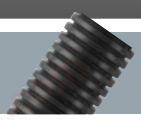
FM58347

Important Note

- For LFH performance see page 102

FOLD PAGE OUT!

FPP



Construction: Standard weight polypropylene, flexible conduit. Colour black, grey (RAL 7031) or white (see page 41)

Typical Applications: Buildings, particularly where buried in concrete or plaster.

- Acid resistant
- Temperature range -20˚C to +90˚C
- Self extinguishing
- Slit version also available FPP-S

Other options available:

NEW

FPP-NFR



LS0H conduit for data cabling applications.

NEW

FPPH



Heavy weight conduit for buried underground applications.

FCL

nylon corrugated conduit clip with integral lid

Nylon PA66 conduit clip with integral lid for increased security. Incorporates internal ribs to prevent corrugated conduit from pulling through, 20 Kg with FPAS21.

NEW

FCLAMP

non-metallic, heavy duty conduit clamp

Nylon PA66, conduit fixing clamp for corrugated conduit. Suitable for use with with fine or coarse pitch conduits. Can be used with a range of accessories including cover plates and weld plates (available separately - see page 45).

EC

end cap

Nylon PA66 end cap to snap over end of conduit and provide a smooth entry bush to prevent snagging and sharp edges, and provide a neat finish when no connectors are used.

NEW

REC

rubber end cap

Thermoplastic elastomer cap used to seal end of conduit. Can be cut to size depending on size of cable. Can be additionally secured using cable tie (not supplied).









european (NW) sizes	nominal size (mm)	pitch	FPP part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	Conduit Clip	FCLAMP	End Cap	part number	to fit conduit size	outlet ID mm
7	10	F	FPP10	50	10.0	6.3	15	FCL10			REC10	10	0-7
8	11	F									REC10	11	0-7
10	13	F	FPP13	50	13.0	9.8	25	FCL13			REC13	13	0-7
12	16	F	FPP16	50	15.8	11.8	35	FCL16	FCLAMP- 3-16	EC16B	REC16	16	0-11
14	18	F						FCL18					
	20	C	FPP20	50	20.0	14.8	40	FCL20					
17	21	F	FPP21	50	21.2	16.7	40	FCL21	FCLAMP- 3-21	EC21B	REC21	21	0-15
	21	C						FCL21					
	25	C	FPP25	50	25.0	19.1	50	FCL25					
23	28	F	FPP28	50	28.5	22.8	55	FCL28	FCLAMP- 4-28	EC28B	REC28	28	0-21
	28	C						FCL28					
29	34	C	FPP34	25, 50	34.5	28.1	65	FCL34	FCLAMP- 5-34	EC34B	REC34	34	0-25
29	34	F						FCL34					
36	42	C	FPP42	25	42.5	35.5	80	FCL42	FCLAMP- 6-42	EC42B	REC42	42	0-34
48	54	C	FPP54	25	54.5	47.2	100	FCL54	FCLAMP- 7-54	EC54B	REC54	54	0-46
56	67	C	FPP67	10	67.2	56.3	150		FCLAMP- 7-67				

F = fine pitch C = coarse pitch

FCLAMP- 8-80 for use with 80mm conduit

NOTE: FPP - NFR and FPPH. Contact us for more details

Ordering Notes

- Specify colour (B = Black, G = Grey) and reel length eg: FPY16B-50M for a Black 50m reel
- Some lengths are MTO in grey

- **Available on request:**
- longer lengths and bulk packaging
- cut lengths and assemblies
- additional sizes
- other colours

- conduit with pre-installed draw wire
- FPADS in Polypropylene (PP)



non-metallic conduit and fittings

To make your selection from our wide range of flexible conduits easier, we have devised a table (see below) which offers a one page summary to help you when you come to select your fittings.

We have a wide selection of fittings that can be used with the conduits listed below.

Simply use the pull out page as a guide to see which fittings from the FPA, FPAX, Flexilok and T-pieces you can use with your chosen conduit.



Using this fold out page will illustrate the wide range of non-metallic corrugated conduits we offer. There are nine different non-metallic conduit families listed in this spread and these are detailed across Pages 20 - 22.

Ordering Notes

Once you have chosen your conduit from our wide range of products listed on Pages 20, 21 and 22, simply use this fold out page as a guide to see which fittings correspond with your selected conduit.

The fold out conduit summary chart below lines up with the respective susequent fittings pages to allow you to still see your selected conduit, whilst selecting your fittings.










european (NW) sizes	pitch	nominal size (mm)	FPAS part number	FPAL part number	FPAH part number	FPR part number	FPADS part number	FPI part number	FPIH part number	FPP part number
7	F	10	FPAS10	FPAL10		FPR10				
7	F	10								
8	F	11	FPAS11	FPAL11			FPADS11			
10	F	13	FPAS13	FPAL13	FPAH13	FPR13	FPADS13	FPI13	FPIH13	FPP13
10	F	13								
10	F	13								
12	F	16	FPAS16	FPAL16	FPAH16	FPR16	FPADS16	FPI16	FPIH16	FPP16
12	F	16								
12	F	16								
12	F	16								
14	F	18	FPAS18	FPAL18						
14	C	18								
	C	20	FPAS20			FPR20				FPP20
17	F	21	FPAS21	FPAL21		FPR21		FPI21		FPP21
	C	21			FPAH21		FPADS21		FPIH21	
	C	21								
	C	25	FPAS25	FPAL25		FPR25				FPP25
23	F	28	FPAS28	FPAL28		FPR28				FPP28
	C	28	FPAS28C		FPAH28		FPADS28	FPI28	FPIH28	
29	C	34	FPAS34	FPAL34	FPAH34	FPR34	FPADS34	FPI34	FPIH34	FPP34
29	F	34	FPAS34F							
36	C	42	FPAS42	FPAL42	FPAH42	FPR42	FPADS42	FPI42	FPIH42	FPP42
36	C	42								
48	C	54	FPAS54	FPAL54	FPAH54	FPR54	FPADS54	FPI54	FPIH54	FPP54
48	C	54								
56	C	67	FPAS67	FPAL67				FPI67		FPP67

Standards

IEC EN 61386

FPA system nylon

Construction: Nylon (PA66) moulded fitting.





STANDARD LOW FIRE HAZARD *

IP66

Fittings

FPA

straight external thread

One piece, fast fit, external threaded fitting. Suitable for knockouts or threaded entries.

IP66



FPA

straight UNEF swivel internal thread

One piece, fast fit fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors.

IP66



FPA

flange

One piece, fast fit fitting with nylon swivel flange with 'O' ring.

IP66



FPA90

90° elbow external thread

One piece, fast fit, external threaded 90 degree elbow fitting. Suitable for knockouts.

IP66



european (NW) sizes	nominal size (mm)	OD mm	Ext Metric	Ext PG	Ext NPT	Ext UNEF	Thread	Ext Flange	90 Degree Metric	90 Degree PG	90 Degree NPT
7	10	10.0	FPA10-M12	FPA10-PG7					FPA10-M12-90	FPA10-PG7-90	
7	10		FPA10-M16	FPA10-PG9							
8	11	11.5	FPA11-M12	FPA11-PG7					FPA11-M12-90		
10	13	13.0	FPA13-M12	FPA13-PG7		FPA13-BU075	(¾")		FPA13-M16-90	FPA13-PG9-90	
10	13		FPA13-M16	FPA13-PG9							
10	13		FPA13-M20	FPA13-PG11							
12	16	15.8	FPA16-M16	FPA16-PG9	FPA16-038	FPA16-BU075	(¾")	FPA16-FL	FPA16-M16-90	FPA16-PG9-90	FPA16-050-90
12	16		FPA16-M20	FPA16-PG11	FPA16-050	FPA16-BU100	(1")		FPA16-M16-90	FPA16-PG11-90	
12	16			FPA16-PG13		FPA16-BU119	(1 3/16")			FPA16-PG13-90	
12	16			FPA16-PG16							
14	18	18.5	FPA18-M20	FPA18-PG13					FPA18-M20-90		
14	18										
	20	20.0	FPA20-M20						FPA20-M20-90		
17	21	21.2	FPA21-M20	FPA21-PG13	FPA21-050	FPA21-BU100	(1")	FPA21-FL	FPA21-M20-90	FPA21-PG16-90	FPA21-050-90
	21			FPA21-PG16		FPA21-BU119	(1 3/16")				
	21					FPA21-BU138	(1 3/8")				
	25	25.0	FPA25-M25						FPA25-M25-90		
23	28	28.5	FPA28-M25	FPA28-PG21	FPA28-075	FPA28-BU138	(1 3/8")	FPA28-FL	FPA28-M25-90	FPA28-PG21-90	FPA28-075-90
	28		FPA28-M32	FPA28-PG29		FPA28-BU144	(1 7/16")				
29	34	34.5	FPA34-M32	FPA34-PG29	FPA34-100	FPA34-BU144	(1 7/16")	FPA34-FL	FPA34-M32-90	FPA34-PG29-90	FPA34-100-90
29	34		FPA34-M40			FPA34-BU175	(1¾")				
36	42	42.5	FPA42-M40	FPA42-PG36	FPA42-125	FPA42-BU200	(2")	FPA42-FL	FPA42-M40-90	FPA42-PG36-90	FPA42-125-90
36	42		FPA42-M50		FPA42-150	FPA42-BU225	(2¼")		FPA42-M50-90		FPA42-150-90
48	54	54.5	FPA54-M50	FPA54-PG42	FPA54-150	FPA54-BU200	(2")		FPA54-M50-90	FPA54-PG48-90	FPA54-150-90
48	54		FPA54-M63	FPA54-PG48	FPA54-200	FPA54-BU225	(2¼")		FPA54-M63-90		FPA54-200-90
56	67	67.0	FPA67-M63	FPA67-PG48	FPA67-200				FPA67-M63-90	FPA67-PG48-90	FPA67-200-90

Ordering Notes

- Specify black or grey (B = Black, G = Grey) eg. FPA16-M16B
- The IP rating onto a UNEF threaded connector may be dependent on the design of the connector

* Indicates parts made to order on request and may be subject to MOQ and lead time

- **Available on request:**
  - additional sizes, alternative threads
  - additional UNEF threads and combinations
  - all nylon UNEF threads

properties

- 1 part fast fit
- IP rating: IP66
- Vibration and shock tested to EN61373 Cat 2
- Tamper resistant
- All round teeth give high pull off strength 70kg with FPAH21
- Can be removed using a screwdriver
- Both 90˚ and 45˚ elbows incorporate swept bore to facilitate cable installation and protect cables when installed
- Suitable for fine and coarse pitch conduits
- Temperature range -50˚C to +135˚C
- **Metric nylon threads supplied complete with locknuts**
- **Swivel UNEF threads allow assembly to military style electrical connectors without twisting of cables and includes sealing 'O' ring face seal.**
- Low Fire Hazard (LFH), see page 102
- Halogen, sulphur and phosphorus free
- Available in black or grey (RAL 7031)

FPA90

90° elbow UNEF swivel internal thread

One piece, fast fit, 90 degree elbow fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors.

IP66



FPA90

flange

One piece, fast fit 90 degree elbow fitting with nylon swivel flange with 'O' ring face seal.

IP66



FPA45

45° elbow external thread

One piece, fast fit, external threaded 45 degree elbow fitting. Suitable for knockouts.

IP66



FPA45

45° elbow UNEF swivel internal thread

One piece, fast fit, 45 degree elbow fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors.

IP66



90 Degree UNEF	Thread	90 Degree Flange	45 Degree Metric	45 Degree PG	45 Degree NPT	45 Degree UNEF	Thread	nominal size (mm)	OD mm
								10	10.0
								10	
								11	11.5
FPA13-BU075-90	(¾")							13	13.0
								13	
								13	
FPA16-BU075-90	(¾")	FPA16-FL-90	FPA16-M20-45	FPA16-PG13-45	FPA16-050-45			16	15.8
FPA16-BU100-90	(1")					FPA16-BU100-45	(1")	16	
FPA16-BU119-90	(1 3/16")					FPA16-BU119-45	(1 3/16")	16	
								16	
								18	18.5
								18	
								20	20.0
FPA21-BU100-90	(1")	FPA21-FL-90	FPA21-M20-45	FPA21-PG13-45	FPA21-050-45	FPA21-BU100-45	(1")	21	21.2
FPA21-BU119-90	(1 3/16")			FPA21-PG16-45		FPA21-BU119-45	(1 3/16")	21	
FPA21-BU138-90	(1 3/8")					FPA21-BU138-45	(1 3/8")	21	
								25	25.0
FPA28-BU138-90	(1 3/8")	FPA28-FL-90	FPA28-M25-45	FPA28-PG21-45	FPA28-075-45	FPA28-BU138-45	(1 3/8")	28	28.5
FPA28-BU144-90	(1 7/16")					FPA28-BU144-45	(1 7/16")	28	
FPA34-BU144-90	(1 7/16")	FPA34-FL-90	FPA34-M32-45	FPA34-PG29-45	FPA34-100-45	FPA34-BU144-45	(1 7/16")	34	34.5
FPA34-BU175-90	(1¾")					FPA34-BU175-45	(1¾")	34	
FPA42-BU200-90	(2")	FPA42-FL-90	FPA42-M50-45	FPA42-PG36-45	FPA42-150-45	FPA42-BU200-45	(2")	42	42.5
FPA42-BU225-90	(2¼")					FPA42-BU225-45	(2¼")	42	
FPA54-BU200-90	(2")	FPA54-FL-90*	FPA54-M50-45		FPA54-150-45	FPA54-BU200-45	(2")	54	54.5
FPA54-BU225-90	(2¼")					FPA54-BU225-45	(2¼")	54	
								67	67.0

Standards

BS EN IEC 61386









FPA system nylon

Construction: Nylon (PA66) moulded fittings.

FPA system brass threaded

Construction: Nylon (PA66) moulded fitting with nickel plated brass swivel thread. Colour black or grey.

STANDARD LOW FIRE HAZARD ★

IP66

Fittings

FPA45

flange

One piece, fast fit 45 degree elbow fitting with nylon swivel flange with 'O' ring face seal.

IP66



FPA-FPA

coupler

One piece, fast fit, coupler to join corrugated conduits. Also available in FPAX version.

IP66



FPA-MPC

coupler

One piece, fast fit, coupler to join corrugated conduit to rigid conduit.

IP66



european (NW) sizes	nominal size (mm)	OD mm	45 Degree Flange	Coupler	Rigid Conduit Coupler
7	10	10.0			
7	10				
8	11	11.5			
10	13	13.0			
10	13				
10	13				
12	16	15.8	FPA16-FL-45	FPA16-FPA16	FPA16-MPC16
12	16				
12	16				
12	16				
14	18	18.5			
14	18				
	20	20.0		FPA20-FPA20	
17	21	21.2	FPA21-FL-45	FPA21-FPA21	FPA21-MPC20
17	21				
17	21				
	25	25.0		FPA25-FPA25	
23	28	28.5	FPA28-FL-45	FPA28-FPA28	FPA28-MPC25
23	28				
29	34	34.5	FPA34-FL-45	FPA34-FPA34	FPA34-MPC32
29	34				
36	42	42.5	FPA42-FL-45	FPA42-FPA42	FPA42-MPC40
36	42				
48	54	54.5	FPA54-FL-45	FPA54-FPA54	
48	54				
56	67	67.0			

Ordering Notes

* Indicates parts made to order on request

• NPB = Nickel Plated Brass

• **Available on request:**
- colour grey, other threads
- for brass locknuts and sealing washers see accessories, page 86
- EMC braid clamp version see page 85

properties

- 1 part fast fit
- IP rating: IP66
- Vibration and shock tested to EN61373 Cat 2
- Tamper resistant
- Can be removed using a screwdriver
- All round teeth give high pull off strength 70kg with FPAH21
- Both 90˚ and 45˚ elbows incorporate swept bore to facilitate cable installation and protect cables when installed
- Suitable for fine and coarse pitch conduits
- Temperature range -50˚C to +135˚C
- Low Fire Hazard (LFH), see page 102
- Halogen, sulphur and phosphorus free
- Available in black or grey (RAL 7031)





FPA

straight swivel brass external thread

One piece, fast fit, swivel, nickel plated brass external threaded fitting. Suitable for knockouts or threaded entries.

IP66



FPA

straight swivel brass internal thread

One piece, fast fit, swivel, nickel plated brass internal threaded fitting.

IP66



FPA90

90° elbow swivel brass external thread

One piece, fast fit, swivel, 90 degree elbow, nickel plated brass external threaded fitting. Suitable for knockouts or threaded entries.

IP66



NPB Ext Metric	NPB Ext PG	NPB Int Metric	NPB Int PG	NPB Ext Metric	NPB Ext PG	nominal size (mm)	OD mm	european (NW) sizes
						10	10.0	7
						10		7
						11	11.5	8
FPA13-BM16	FPA13-BPG9	FPA13-BFM16	FPA13-BFPG9*	FPA13-BM16-90	FPA13-BPG9-90	13	13.0	10
						13		10
						13		10
FPA16-BM16	FPA16-BPG9	FPA16-BFM16	FPA16-BFPG11*	FPA16-BM16-90	FPA16-BPG9-90	16	15.8	12
FPA16-BM20	FPA16-BPG11	FPA16-BFM20	FPA16-BFPG16*	FPA16-BM20-90	FPA16-BPG11-90	16		12
						16		12
						16		12
						18	18.5	14
						18		14
						20	20.0	
FPA21-BM20	FPA21-BPG13	FPA21-BFM20	FPA21-BFPG16*	FPA21-BM20-90	FPA21-BPG13-90	21	21.2	17
	FPA21-BPG16				FPA21-BPG16-90	21		17
						21		17
						25	25.0	
FPA28-BM25	FPA28-BPG21	FPA28-BFM25	FPA28-BFPG21*	FPA28-BM25-90	FPA28-BPG21-90	28	28.5	23
						28		23
FPA34-BM32	FPA34-BPG29	FPA34-BFM32	FPA34-BFPG29*	FPA34-BM32-90	FPA34-BPG29-90	34	34.5	29
						34		29
FPA42-BM40	FPA42-BPG36	FPA42-BFM40	FPA42-BFPG36*	FPA42-BM40-90	FPA42-BPG36-90	42	42.5	36
FPA42-BM50				FPA42-BM50-90		42		36
FPA54-BM50	FPA54-BPG48*	FPA54-BFM50		FPA54-BM50-90	FPA54-BPG48-90*	54	54.5	48
FPA54-BM63				FPA54-BM63-90		54		48
FPA67-BM63						67	67.0	56

Standards

BS EN IEC 61386









FPA system brass threaded

Construction: Nylon (PA66) moulded fitting with nickel plated brass swivel thread. Colour black or grey.

STANDARD LOW FIRE HAZARD ★

IP66

Fittings

FPA90

90° elbow swivel brass internal thread

One piece, fast fit, swivel, 90 degree elbow, nickel plated brass internal threaded fitting.

IP66



FPA45

45° elbow swivel brass external thread

One piece, fast fit, swivel, 45 degree elbow, nickel plated brass external threaded fitting. Suitable for knockouts or threaded entries.

IP66



FPA45

45° elbow swivel brass internal thread

One piece, fast fit, swivel, 45 degree elbow, nickel plated brass internal threaded fitting.

IP66



european (NW) sizes	nominal size (mm)	OD mm	FPA90 NPB Int Metric	FPA90 NPB Int PG	FPA45 NPB Ext Metric	FPA45 NPB Ext PG	FPA45 NPB Int Metric	FPA45 NPB Int PG
7	10	10.0						
7	10							
8	11	11.5						
10	13	13.0	FPA13-BFM16-90	FPA13-BFPG9-90*				
10	13							
10	13							
12	16	15.8	FPA16-BFM16-90	FPA16-BFPG11-90*	FPA16-BM16-45	FPA16-BPG13-45	FPA16-BFM20-45	FPA16-BFPG16-45*
12	16		FPA16-BFM20-90	FPA16-BFPG16-90*	FPA16-BM20-45	FPA16-BPG16-45		
12	16							
12	16							
14	18	18.5						
14	18							
	20	20.0						
17	21	21.2	FPA21-BFM20-90	FPA21-BFPG16-90*	FPA21-BM20-45	FPA21-BPG13-45	FPA21-BFM20-45	FPA21-BFPG16-45*
17	21					FPA21-BPG16-45		
17	21							
	25	25.0						
23	28	28.5	FPA28-BFM25-90	FPA28-BFPG21-90*	FPA28-BM25-45	FPA28-BPG21-45	FPA28-BFM25-45	FPA28-BFPG21-45*
23	28							
29	34	34.5	FPA34-BFM32-90	FPA34-BFPG29-90*	FPA34-BM32-45	FPA34-BPG29-45	FPA34-BFM32-45	FPA34-BFPG29-45*
29	34							
36	42	42.5	FPA42-BFM50-90	FPA42-BFPG36-90*	FPA42-BM40-45	FPA42-BPG36-45	FPA42-BFM50-45	FPA42-BFPG36-45*
36	42				FPA42-BM50-45			
48	54	54.5	FPA54-BFM50-90		FPA54-BM50-45	FPA54-BPG48-45	FPA54-BFM50-45	
48	54				FPA54-BM63-45			
56	67	67.0						

Ordering Notes

* Indicates parts made to order on request

• NPB = Nickel Plated Brass

• **Available on request:**
- colour grey, other threads
- for brass locknuts and sealing washers see accessories, page 86
- EMC braid clamp version, see page 85

properties

- 1 part fast fit
- IP rating: **of conduit & fitting: IP66**
  of cable gland: IP68 (10 bar)+IP69
- Vibration and shock tested to EN61373 Cat 2
- Tamper resistant
- Can be removed using a screwdriver
- All round teeth give high pull off strength 70kg with FPAH21
- Both 90˚ and 45˚ elbows incorporate swept bore to facilitate cable installation and protect cables when installed
- Suitable for fine and coarse pitch conduits
- Temperature range: **conduit fitting: -50˚C to +135˚C**
  cable gland: -40˚C to +100˚C static
  -20˚C to +100˚C dynamic
- Low Fire Hazard (LFH), see page 102
- Halogen, sulphur and phosphorus free
- **Refer to accessories for clamping range page 87**





FPA NEW

cable gland

One piece, fast fit, swivel, nickel plated brass external threaded cable gland fitting. Suitable for knockouts or threaded entries.

IP66



FPA90 NEW

cable gland

One piece, fast fit, swivel, 90 degree elbow, nickel plated brass external threaded cable gland fitting. Suitable for knockouts or threaded entries.

IP66



FPA45 NEW

cable gland

One piece, fast fit, swivel, 45 degree elbow, nickel plated brass external threaded cable gland fitting. Suitable for knockouts or threaded entries.

IP66



NPB Metric	NPB PG	NPB Metric	NPB Metric	nominal size (mm)	OD mm	european (NW) sizes
				10	10.0	7
				10		7
				11	11.5	8
FPA13-BM16-CG		FPA13-BM16-CG-90		13	13.0	10
				13		10
				13		10
FPA16-BM16-CG	FPA16-BPG11-CG*	FPA16-BM16-CG-90	FPA16-BM20-CG-45	16	15.8	12
FPA16-BM20-CG	FPA16-BPG16-CG*	FPA16-BM20-CG-90		16		12
				16		12
				16		12
				18	18.5	14
				18		14
				20	20.0	
FPA21-BM20-CG	FPA21-BPG16-CG*	FPA21-BM20-CG-90	FPA21-BM20-CG-45	21	21.2	17
				21		17
				21		17
				25	25.0	
FPA28-BM25-CG	FPA28-BPG21-CG*	FPA28-BM25-CG-90	FPA28-BM25-CG-45	28	28.5	23
				28		23
FPA34-BM32-CG	FPA34-BPG29-CG*	FPA34-BM32-CG-90	FPA34-BM32-CG-45	34	34.5	29
				34		29
FPA42-BM40-CG	FPA42-BPG36-CG*	FPA42-BM40-CG-90	FPA42-BM40-CG-45	42	42.5	36
				42		36
FPA54-BM50-CG*		FPA54-BM50-CG-90*	FPA54-BM50-CG-45*	54	54.5	48
				54		48
				67	67.0	56

Standards

BS EN IEC 61386







chanhvinh.com



FPAX system nylon

Construction: Nylon (PA66) moulded fitting incorporating internal elastomeric seal.
Colour black or grey on request*.

STANDARD LOW FIRE HAZARD * IP66 IP67 IP68 IP69

Fittings

FPAX
straight external thread
Fast fit, external threaded fitting with additional conduit seal. Suitable for knockouts or threaded entries.

IP66 IP67 IP68 IP69



FPAX
straight UNEF swivel internal thread
Fast fit fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors with additional conduit seal.

IP66 IP67 IP68 IP69



FPAX
flange
Fast fit fitting with nylon swivel flange with additional conduit seal and with 'O' ring face seal.

IP66 IP67 IP68 IP69



european (NW) sizes	nominal size (mm)	OD mm	Ext Metric	Ext PG	Ext NPT	Int UNEF	Thread	Flange
7	10	10.0						
7	10							
8	11	11.5						
10	13	13.0	FPAX13-M16	FPAX13-PG9				
10	13							
10	13							
12	16	15.8	FPAX16-M16	FPAX16-PG9	FPAX16-038	FPAX16-BU075	(¾")	FPAX16-FL
12	16		FPAX16-M20	FPAX16-PG11	FPAX16-050	FPAX16-BU100	(1")	
12	16			FPAX16-PG13		FPAX16-BU119	(1 3/16")	
12	16			FPAX16-PG16				
14	18	18.5						
14	18							
	20	20.0						
17	21	21.2	FPAX21-M20	FPAX21-PG13	FPAX21-050	FPAX21-BU100	(1")	FPAX21-FL
17	21			FPAX21-PG16		FPAX21-BU119	(1 3/16")	
17	21					FPAX21-BU138	(1⅜")	
	25	25.0						
23	28	28.5	FPAX28-M25	FPAX28-PG21	FPAX28-075	FPAX28-BU138	(1⅜")	FPAX28-FL
23	28		FPAX28-M32	FPAX28-PG29		FPAX28-BU144	(1 7/16")	
29	34	34.5	FPAX34-M32	FPAX34-PG29	FPAX34-100	FPAX34-BU144	(1 7/16")	FPAX34-FL
29	34		FPAX34-M40					
36	42	42.5	FPAX42-M40	FPAX42-PG36	FPAX42-125	FPAX42-BU200	(2")	FPAX42-FL
36	42		FPAX42-M50		FPAX42-150	FPAX42-BU225	(2¼")	
48	54	54.5	FPAX54-M50	FPAX54-PG42	FPAX54-150	FPAX54-BU200	(2")	
48	54		FPAX54-M63	FPAX54-PG48	FPAX54-200	FPAX54-BU225	(2¼")	
56	67	67.0						

Ordering Notes

* Indicates parts made to order on request

• NPB = Nickel Plated Brass

• **Available on request:**
- colour grey, other threads
- for brass locknuts and sealing washers see accessories, page 86
- EMC braid clamp version, see page 85

properties

- Fast fit
- Supplied with additional conduit seal and retained face seal
- Face seal details:
  - **Nylon and Brass external threads supplied with Polyester elastomer washer**
  - **UNEF and Flange supplied with O-ring**
- IP rating:
  IP66 + IP67 + IP68 (2 bar) + IP69
- Vibration and shock tested to EN61373 Cat 2
- Tamper resistant
- Can be removed using a screwdriver
- All round teeth give high pull off strength 70kg with FPAH21
- Both 90˚ and 45˚ elbows incorporate swept bore to facilitate cable installation and protect cables when installed
- Suitable for fine and coarse pitch conduits
- Temperature range -50˚C to +135˚C
- **Metric nylon threads supplied complete with locknuts**
- **Swivel UNEF threads allow assembly to military style electrical connectors without twisting of cables and includes sealing 'O' ring face seal**
- Low Fire Hazard (LFH), see page 102
- Halogen, sulphur and phosphorus free





FPAX90

90° elbow external thread

Fast fit, external threaded 90 degree elbow fitting with additional conduit seal. Suitable for knockouts.

IP66 IP67 IP68 IP69



FPAX90

90° elbow UNEF swivel internal thread

Fast fit, 90 degree elbow fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors with additional conduit seal.

IP66 IP67 IP68 IP69



FPAX90

flange

Fast fit 90 degree elbow fitting with nylon swivel flange with additional conduit seal with 'O' ring face seal.

IP66 IP67 IP68 IP69



Ext Metric	Ext PG	Ext NPT	Int UNEF	Thread	Flange	nominal size (mm)	OD mm	european (NW) sizes
						10	10.0	7
						10		7
						11	11.5	8
FPAX13-M16-90	FPAX13-PG9-90					13	13.0	10
						13		10
						13		10
FPAX16-M16-90	FPAX16-PG9-90	FPAX16-050-90	FPAX16-BU075-90	(¾")	FPAX16-FL-90	16	15.8	12
FPAX16-M20-90	FPAX16-PG11-90		FPAX16-BU100-90	(1")		16		12
	FPAX16-PG13-90		FPAX16-BU119-90	(1 3/16")		16		12
						16		12
						18	18.5	14
						18		14
						20	20.0	
FPAX21-M20-90	FPAX21-PG13-90	FPAX21-050-90	FPAX21-BU100-90	(1")	FPAX21-FL-90	21	21.2	17
	FPAX21-PG16-90		FPAX21-BU119-90	(1 3/16")		21		17
			FPAX21-BU138-90	(1⅜")		21		17
						25	25.0	
FPAX28-M25-90	FPAX28-PG21-90	FPAX28-075-90	FPAX28-BU138-90	(1⅜")	FPAX28-FL-90	28	28.5	23
			FPAX28-BU144-90	(1 7/16")		28		23
FPAX34-M32-90	FPAX34-PG29-90	FPAX34-100-90	FPAX34-BU144-90	(1 7/16")	FPAX34-FL-90	34	34.5	29
						34		29
FPAX42-M40-90	FPAX42-PG36-90	FPAX42-125-90	FPAX42-BU200-90	(2")	FPAX42-FL-90	42	42.5	36
FPAX42-M50-90		FPAX42-150-90	FPAX42-BU225-90	(2¼")		42		36
FPAX54-M50-90	FPAX54-PG48-90	FPAX54-150-90	FPAX54-BU200-90	(2")		54	54.5	48
FPAX54-M63-90		FPAX54-200-90	FPAX54-BU225-90	(2¼")		54		48
						67	67.0	56

Standards

BS EN IEC 61386







chanhvinh.com



FPAX system
nylon & brass threaded

STANDARD LOW FIRE HAZARD *

Construction: Nylon (PA66) moulded fitting incorporating internal elastomeric seal.

Construction: Nylon (PA66) moulded fitting with swivel metal thread. External and internal metallic threads are made from nickel plated brass and incorporate an internal elastomeric seal. Colour black, grey on request*.

Fittings

FPAX45

45° elbow external thread

Fast fit, external threaded 45 degree elbow fitting with additional conduit seal. Suitable for knockouts.

IP66 IP67 IP68 IP69



FPAX45

45° elbow UNEF swivel internal thread

Fast fit, 45 degree elbow fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors with additional conduit seal.

IP66 IP67 IP68 IP69



FPAX45

flange

Fast fit 45 degree elbow fitting with nylon swivel flange with additional conduit seal and 'O' ring face seal.

IP66 IP67 IP68 IP69



european (NW) sizes	nominal size (mm)	OD mm	Ext Metric	Ext PG	Ext NPT	Int UNEF	Thread	Flange
7	10	10.0						
7	10							
8	11	11.5						
10	13	13.0						
10	13							
10	13							
12	16	15.8	FPAX16-M20-45	FPAX16-PG13-45	FPAX16-050-45	FPAX16-BU100-45	(1")	FPAX16-FL-45
12	16					FPAX16-BU119-45	(1 3/16")	
12	16							
12	16							
14	18	18.5						
14	18							
	20	20.0						
17	21	21.2	FPAX21-M20-45	FPAX21-PG13-45	FPAX21-050-45	FPAX21-BU100-45	(1")	FPAX21-FL-45
17	21			FPAX21-PG16-45		FPAX21-BU119-45	(1 3/16")	
17	21					FPAX21-BU138-45	(1 3/8")	
	25	25.0						
23	28	28.5	FPAX28-M25-45	FPAX28-PG21-45	FPAX28-075-45	FPAX28-BU138-45	(1 3/8")	FPAX28-FL-45
23	28					FPAX28-BU144-45	(1 1/16")	
29	34	34.5	FPAX34-M32-45	FPAX34-PG29-45	FPAX34-100-45	FPAX34-BU144-45	(1 1/16")	FPAX34-FL-45
29	34							
36	42	42.5	FPAX42-M50-45	FPAX42-PG36-45	FPAX42-150-45	FPAX42-BU200-45	(2")	FPAX42-FL-45
36	42					FPAX42-BU225-45	(2 1/4")	
48	54	54.5	FPAX54-M50-45		FPAX54-150-45	FPAX54-BU200-45	(2")	
48	54					FPAX54-BU225-45	(2 1/4")	
56	67	67.0						

Ordering Notes

- Specify black or grey (B=Black, G=Grey) eg: FPAX16-M20-45B
- NPB = Nickel Plated Brass

- **Available on request:**
- colour grey, other threads
- for brass locknuts and sealing washers see accessories, page 86
- EMC braid clamp version, see page 85

properties

- Fast fit
- Supplied with additional conduit seal and retained face seal
- Face seal details:
  - **Nylon and Brass external threads supplied with Polyester elastomer washer**
  - **UNEF and Flange supplied with O-ring**
- IP rating: IP66 + IP67 + IP68 (2 bar) + IP69
- Vibration and shock tested to EN61373 Cat 2
- Tamper resistant
- Can be removed using a screwdriver
- All round teeth give high pull off strength 70kg with FPAH21
- Both 90˚ and 45˚ elbows incorporate swept bore to facilitate cable installation and protect cables when installed
- Suitable for fine and coarse pitch conduits
- Temperature range -50˚C to +135˚C
- **Metric nylon threads supplied complete with locknuts**
- **Swivel UNEF threads allow assembly to military style electrical connectors without twisting of cables and includes sealing 'O' ring face seal**
- Low Fire Hazard (LFH), see page 102
- Halogen, sulphur and phosphorus free

FPAX

straight swivel brass external thread

Fast fit, swivel, nickel plated brass external threaded fitting with additional conduit seal. Suitable for knockouts or threaded entries.

IP66 IP67 IP68 IP69



FPAX

straight swivel brass internal thread

Fast fit, swivel, nickel plated brass internal threaded fitting with additional conduit seal.

IP66 IP67 IP68 IP69



FPAX90

90° elbow swivel brass external thread

Fast fit, swivel, 90 degree elbow, nickel plated brass external threaded fitting with additional conduit seal. Suitable for knockouts or threaded entries.

IP66 IP67 IP68 IP69



NPB Ext Metric	NPB Ext PG	NPB Int Metric	NPB Int PG	NPB Ext Metric	NPB Ext PG	nominal size (mm)	OD mm	european (NW) sizes
						10	10.0	7
						10		7
						11	11.5	8
FPAX13-BM16	FPAX13-BPG9	FPAX13-BFM16	FPAX13-BFPG9*	FPAX13-BM16-90	FPAX13-BPG9-90	13	13.0	10
						13		10
						13		10
FPAX16-BM16	FPAX16-BPG9	FPAX16-BFM16	FPAX16-BFPG11*	FPAX16-BM16-90	FPAX16-BPG9-90	16	15.8	12
FPAX16-BM20	FPAX16-BPG11	FPAX16-BFM20	FPAX16-BFPG16*	FPAX16-BM20-90	FPAX16-BPG11-90	16		12
						16		12
						16		12
						18	18.5	14
						18		14
						20	20.0	
FPAX21-BM20	FPAX21-BPG13	FPAX21-BFM20	FPAX21-BFPG16*	FPAX21-BM20-90	FPAX21-BPG13-90	21	21.2	17
	FPAX21-BPG16				FPAX21-BPG16-90	21		17
						21		17
						25	25.0	
FPAX28-BM25	FPAX28-BPG21	FPAX28-BFM25	FPAX28-BFPG21*	FPAX28-BM25-90	FPAX28-BPG21-90	28	28.5	23
						28		23
FPAX34-BM32	FPAX34-BPG29	FPAX34-BFM32	FPAX34-BFPG29*	FPAX34-BM32-90	FPAX34-BPG29-90	34	34.5	29
						34		29
FPAX42-BM40	FPAX42-BPG36	FPAX42-BFM40	FPAX42-BFPG36*	FPAX42-BM40-90	FPAX42-BPG36-90	42	42.5	36
FPAX42-BM50				FPAX42-BM50-90		42		36
FPAX54-BM50	FPAX54-BPG48*	FPAX54-BFM50		FPAX54-BM50-90	FPAX54-BPG48-90*	54	54.5	48
FPAX54-BM63				FPAX54-BM63-90		54		48
						67	67.0	56

Standards

BS EN IEC 61386









FPAX system brass threaded

Construction: Nylon (PA66) moulded fitting with swivel metal thread. External and internal metallic threads are made from nickel plated brass and incorporate an internal elastomeric seal. Colour black, grey on request*.

STANDARD LOW FIRE HAZARD * IP66 IP67 IP68 IP69

Fittings

FPAX90

90° elbow swivel brass internal thread

Fast fit, swivel, 90 degree elbow, nickel plated brass internal threaded fitting with additional conduit seal.

IP66 IP67 IP68 IP69



FPAX45

45° elbow swivel brass external thread

Fast fit, swivel, 45 degree elbow, nickel plated brass external threaded fitting with additional conduit seal. Suitable for knockouts or threaded entries.

IP66 IP67 IP68 IP69



FPAX45

45° elbow swivel brass internal thread

Fast fit, swivel, 45 degree elbow, nickel plated brass internal threaded fitting with additional conduit seal.

IP66 IP67 IP68 IP69



european (NW) sizes	nominal size (mm)	OD mm	FPAX90 NPB Int Metric	FPAX90 NPB Int PG	FPAX45 NPB Ext Metric	FPAX45 NPB Ext PG	FPAX45 NPB Int Metric	FPAX45 NPB Int PG
7	10	10.0						
7	10							
8	11	11.5						
10	13	13.0	FPAX13-BFM16-90	FPAX13-BFPG9-90*				
10	13							
10	13							
12	16	15.8	FPAX16-BFM16-90	FPAX16-BFPG11-90*	FPAX16-BM16-45	FPAX16-BPG13-45	FPAX16-BFM20-45	FPAX16-BFPG16-45*
12	16		FPAX16-BFM20-90	FPAX16-BFPG16-90*	FPAX16-BM20-45	FPAX16-BPG16-45		
12	16							
12	16							
14	18	18.5						
14	18							
	20	20.0						
17	21	21.2	FPAX21-BFM20-90	FPAX21-BFPG16-90*	FPAX21-BM20-45	FPAX21-BPG13-45	FPAX21-BFM20-45	FPAX21-BFPG16-45*
17	21					FPAX21-BPG16-45		
17	21							
	25	25.0						
23	28	28.5	FPAX28-BFM25-90	FPAX28-BFPG21-90*	FPAX28-BM25-45	FPAX28-BPG21-45	FPAX28-BFM25-45	FPAX28-BFPG21-45*
23	28							
29	34	34.5	FPAX34-BFM32-90	FPAX34-BFPG29-90*	FPAX34-BM32-45	FPAX34-BPG29-45	FPAX34-BFM32-45	FPAX34-BFPG29-45*
29	34							
36	42	42.5	FPAX42-BFM50-90	FPAX42-BFPG36-90*	FPAX42-BM40-45	FPAX42-BPG36-45	FPAX42-BFM50-45	FPAX42-BFPG36-45*
36	42				FPAX42-BM50-45			
48	54	54.5	FPAX54-BFM50-90		FPAX54-BM50-45	FPAX54-BPG48-45*	FPAX54-BFM50-45	
48	54				FPAX54-BM63-45			
56	67	67.0						

Ordering Notes

- NPB = Nickel Plated Brass

* Indicates parts made to order on request

- **Available on request:**
  - colour grey, other threads
  - for brass locknuts and sealing washers see accessories, page 86
  - EMC braid clamp version, see page 85

properties

- Fast fit
- Supplied with additional conduit seal & retained face seal
- Face seal details:
  - **Nylon and Brass external threads supplied with Polyester elastomer washer**
  - **UNEF and Flange supplied with O-ring**
- IP rating: **for conduit & fitting IP66 + IP67 + IP68 (2 bar) + IP69**
  for cable gland: IP68 (10 bar)+IP69
- Vibration and shock tested to EN61373 Cat 2
- Tamper resistant
- Both 90˚ and 45˚ elbows incorporate swept bore to facilitate cable installation and protect cables when installed
- Can be removed using a screwdriver
- All round teeth give high pull off strength 70kg with FPAH21
- Both 90˚ and 45˚ elbows incorporate swept bore to facilitate cable installation and protect cables when installed
- Suitable for fine and coarse pitch conduits
- Temperature range:
  conduit fitting: -50˚C to +135˚C
  cable gland: -40˚C to +100˚C static
  -20˚C to +100˚C dynamic
- Low Fire Hazard (LFH), see page 102
- Halogen, sulphur and phosphorus free
- Refer to accessories for clamping range page 87

FPAX — NEW

cable gland

Fast fit, swivel, nickel plated brass external threaded cable gland fitting with additional conduit seal. Suitable for knockouts or threaded entries.

IP66 IP67 IP68 IP69



FPAX90 — NEW

cable gland

Fast fit, swivel, 90 degree elbow, nickel plated brass external threaded cable gland fitting with additional conduit seal. Suitable for knockouts or threaded entries.

IP66 IP67 IP68 IP69



FPAX45 — NEW

cable gland

Fast fit, swivel, 45 degree elbow, nickel plated brass external threaded cable gland fitting with additional conduit seal. Suitable for knockouts or threaded entries.

IP66 IP67 IP68 IP69



NPB Metric	NPB PG	NPB Metric	NPB Metric	nominal size (mm)	OD mm	european (NW) sizes
				10	10.0	7
				10		7
				11	11.5	8
FPAX13-BM16-CG		FPAX13-BM16-CG-90		13	13.0	10
				13		10
				13		10
FPAX16-BM16-CG	FPAX16-BPG11-CG*	FPAX16-BM16-CG-90	FPAX16-BM20-CG-45	16	15.8	12
FPAX16-BM20-CG	FPAX16-BPG16-CG*	FPAX16-BM20-CG-90		16		12
				16		12
				16		12
				18	18.5	14
				18		14
				20	20.0	
FPAX21-BM20-CG	FPAX21-BPG16-CG*	FPAX21-BM20-CG-90	FPAX21-BM20-CG-45	21	21.2	17
				21		17
				21		17
				25	25.0	
FPAX28-BM25-CG	FPAX28-BPG21-CG*	FPAX28-BM25-CG-90	FPAX28-BM25-CG-45	28	28.5	23
				28		23
FPAX34-BM32-CG	FPAX34-BPG29-CG*	FPAX34-BM32-CG-90	FPAX34-BM32-CG-45	34	34.5	29
				34		29
FPAX42-BM40-CG	FPAX42-BPG36-CG*	FPAX42-BM40-CG-90	FPAX42-BM40-CG-45	42	42.5	36
				42		36
FPAX54-BM50-CG*		FPAX54-BM50-CG-90*	FPAX54-BM50-CG-45*	54	54.5	48
				54		48
				67	67.0	56

Standards

BS EN IEC 61386

Technical Drawing





FPA & FPAX
T Pieces and Dividers

NEW

Construction: Nylon (PA66) moulded fitting.
FPA colour black or grey as standard. FPAX incorporate internal elastomeric seal(s). Colour black, grey on request.*

STANDARD LOW FIRE HAZARD * | IP66 | IP67 | IP68 | IP69

Fittings

FPA

T piece with inspection lid
Fast fit T piece with inspection lid.

IP66



FPA NEW

Reducing divider
Fast fit reducing divider

IP66



Reducer/ Stop Plug

Fitting to reduce or blank off any outlets.

IP66





european (NW) sizes	Conduit In (mm)	Conduit Out x 2 for divider			
12	16	13	FPA16T FPA20T	FPA16-13-13	FPA13-R16 SP-R16
17	21	16	FPA21T	FPA21-16-16	FPA16-R21 FPA13-R21 SP-R21
23	28	21	FPA28T	FPA28-21-21	FPA25-R28 FPA21-R28 FPA20-R28 FPA16-R28 FPA13-R28 SP-R28
29	34	28	FPA34T	FPA34-28-28	FPA28-R34 FPA21-R34 FPA16-R34 SP-R34
36			FPA42T		FPA34-R42 FPA28-R42 FPA21-R42

Ordering Notes

* Indicates parts made to order on request and may be subject to MOQ and lead time

- **Available on request:**
- other colours

How to read the fittings code

FPAX21-R28
Conduit Size
T-piece or Reducer Size

properties

- Fast fit
- **IP rating: FPA IP66**
  FPAX IP66 + IP67 + IP68 (2 bar)
  FPAX Divider IP66 + IP67 + IP68 (2 bar) +IP69
- Maintains all the benefits of FPA and FPAX fittings
- Vibration and shock tested to EN61373 Cat 2
- Tamper resistant
- All round teeth give high pull off strength
- Low Fire Hazard (LFH), see page 102
- Halogen, sulphur & phosphorous free
- **Inspection lid facilitates pull through of cables easing installation on the T-piece**
- Rounded internal corners protect cable insulation during installation and use
- Incorporates mounting lugs to aid secure fixing





FPAX

T piece with inspection lid

Fast fit T piece with inspection lid and additional seals for enhanced IP rating.

IP66 IP67 IP68



FPAX NEW

Divider

Fast fit reducing divider with additional seals for enhanced IP ratings

IP66 IP67 IP68 IP69



Reducer/ Stop Plug

Fitting to reduce or blank off any outlets.

IP66 IP67 IP68



R



SP



european (NW) sizes	Conduit In	Conduit Out x 2 for divider			
12	16	13	FPAX16T	FPAX16-13-13	FPAX13-R16
17	21	16	FPAX21T	FPAX21-16-16	FPAX16-R21 SP-R21
23	28	21	FPAX28T	FPAX28-21-21	FPAX21-R28 FPAX16-R28 SP-R28
29	34	28	FPAX34T	FPAX34-28-28	FPAX28-R34 FPAX21-R34 FPAX16-R34
36			FPAX42T		FPAX34-R42 FPAX28-R42 FPAX21-R42

Standards

BS EN IEC 61386









Flexilok® system

Construction: Nylon (PA66) moulded fitting.

- One piece fast fit
- Slim design
- IP rating: IP66
- Anti-vibration and tamper resistant
- Pull off strength with:
  (FLK21 - FPAS21 25kg)
  (FLK21 - FPAL21 20kg)
- Can be removed using a screwdriver
- Suitable for fine and coarse pitch conduits
- Temperature range -40˚C to +120˚C
- **Metric threads supplied complete with locknuts**
- Low Fire Hazard (LFH), see page 102
- Halogen, sulphur and phosphorus free
- Available in black, grey (RAL 7031) and white, see page 41
- 42mm and 54mm feature 4 teeth for added strength

STANDARD LOW FIRE HAZARD *

IP66

Fittings

FLK NEW

straight external thread

Nylon, one piece, slim, fast fit, external threaded fitting suitable for knockouts or threaded entries.

IP66



FLK NEW

Push in

Simple, one piece, push in fitting suitable for knockouts with no need for locknuts. Ideal for use when enclosure access is restricted.

IP66



FLK-FLK

coupler

One piece, slim, fast fit coupler for joining 2 conduits together.

IP66



european (NW) sizes	nominal size (mm)	OD mm	Ext Metric	Ext PG		Coupler
7	10	10.0	**FLK10-M12**	**FLK10-PG7**		
7	10					
8	11	11.5				
10	13	13.0	**FLK13-M16**	**FLK13-PG9**		
10	13					
10	13					
12	16	15.8	**FLK16-M16**	**FLK16-PG11**	**FLK16-PL20**	**FLK16-FLK16**
12	16		**FLK16-M20**	**FLK16-PG13**		
12	16					
12	16					
14	18	18.5				
14	18					
	20	20.0	**FLK20-M20**		**FLK20-PL20**	**FLK20-FLK20**
17	21	21.2	**FLK21-M20**	**FLK21-PG16**	**FLK21-PL20**	**FLK21-FLK21**
17	21					
17	21					
	25	25.0	**FLK25-M25**		**FLK25-PL25**	**FLK25-FLK25**
23	28	28.5	**FLK28-M25**	**FLK28-PG21**	**FLK28-PL25**	**FLK28-FLK28**
23	28					
29	34	34.5	**FLK34-M32**	**FLK34-PG29**	**FLK34-PL32**	**FLK34-FLK34**
29	34					
36	42	42.5	**FLK42-M40**	**FLK42-PG36**		
36	42		**FLK42-M50**			
48	54	54.5	**FLK54-M50**	**FLK54-PG48**		
48	54		**FLK54-M63**			
56	67	67.0				

Ordering Notes

- Specify black or grey (B=Black, G=Grey) eg. FLK20-M20B
- For white version see page 69
- Details for removal tools can be found on page 89

Also Available

- Push in fitting removal tool - see accessories page 89
- Brass threaded versions
- Two teeth version of 42mm and 54mm available on request

Removal Tool



NOTE: 42mm and 54mm require a removal tool to aid removal if necessary see page 89.

properties

- One piece fast fit
- Slim design
- IP rating: IP66
- Anti-vibration and tamper resistant
- Pull off strength with:
  (FLK21 - FPAS21 25kg)
  (FLK21 - FPAL21 20kg)
  (FLK20-PP - FPP20 13kg)
- Can be removed using a screwdriver
- Suitable for fine and coarse pitch conduits
- Temperature range -40˚C to +120˚C
- **Metric threads supplied complete with locknuts**
- Halogen, sulphur and phosphorus free
- Available in black, grey (RAL 7031) and white, see page 41





FLK90

90° elbow external thread

One piece, slim, fast fit, external threaded 90 degree elbow fitting suitable for knockouts.

IP66



FLK45 NEW

45° elbow external thread

One piece, slim, fast fit, external threaded 45 degree elbow fitting suitable for knockouts.

IP66



FLK-PP

straight external thread

Polypropylene, one piece, slim, fast fit, external threaded fitting suitable for knockouts or threaded entries.

IP66



Ext Metric	Ext PG	Ext Metric	Ext Metric (PP)	nominal size (mm)	OD mm	european (NW) sizes
				10	10.0	7
				10		7
				11	11.5	8
				13	13.0	10
				13		10
				13		10
FLK16-M16-90	FLK16-PG11-90	FLK16-M16-45	FLK16-M16-PP	16	15.8	12
FLK16-M20-90		FLK16-M20-45		16		12
				16		12
				16		12
				18	18.5	14
				18		14
FLK20-M20-90		FLK20-M20-45	FLK20-M20-PP	20	20.0	
FLK21-M20-90	FLK21-PG16-90	FLK21-M20-45		21	21.2	17
				21		17
				21		17
FLK25-M25-90		FLK25-M25-45	FLK25-M25-PP	25	25.0	
FLK28-M25-90	FLK28-PG21-90	FLK28-M25-45		28	28.5	23
				28		23
FLK34-M32-90	FLK34-PG29-90	FLK34-M32-45	FLK34-M32-PP	34	34.5	29
				34		29
				42	42.5	36
				42		36
				54	54.5	48
				54		48
				67	67.0	56

Standards

REACh ✓

CE

RoHS ✓







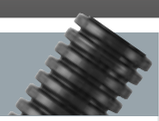


FPL system
upvc corrugated pliable conduit

IP40 IP66 IP67

Conduit

FPL



Construction: Standard weight, upvc, corrugated pliable conduit. Colour black, grey (RAL 7045) or white. (see page 41 in certain sizes.)

Typical Applications: Static connections in buildings.

- High compression strength
- Bends to a small radius
- IP rating:
  - IP40 with MP and T fittings
  - IP66 with FLK fittings
  - IP67 with MPS fittings
- Temperature range
  - -5˚C to +70˚C
- Self extinguishing
- UV resistant (black)
- Tensile strength:
  - FLK20 25kg
  - MP20 20kg
  - MPS20 15kg

Fittings

FLK

straight external thread

One piece, slim, fast fit, nylon external threaded fitting suitable for knockouts or threaded entries.

IP66

FLK90

90° elbow external thread

One piece, slim, fast fit, nylon external threaded 90 degree elbow fitting suitable for knockouts.

IP66

MP

straight external thread

Straight nylon compression fitting external thread including locknut.

IP40

MPS

straight external thread

Straight nylon compression fitting with seal external thread including locknut.

IP67







MP shown

nominal size (mm)	FPL part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number	metric thread part number	metric thread part number	metric thread part number
16	FPL16	100	16.0	12.0	25	FLK16-M16	FLK16-M16-90	MP-16-M16	MPS-16-M16
16						FLK16-M20	FLK16-M20-90	MP-16-M20	MPS-16-M20
20	FPL20	50, 100	20.0	15.0	30	FLK20-M20	FLK20-M20-90	MP-20-M20	MPS-20-M20
25	FPL25	50	25.0	19.5	40	FLK25-M25	FLK25-M25-90	MP-25-M25	MPS-25-M25
34	FPL34	25	34.5	27.9	50	FLK34-M32	FLK34-M32-90	MP-32-M32	MPS-32-M32

* Push in fittings available on page 38

Ordering Notes

- Specify black or grey (B = Black, G = Grey)
- FPL can be used with FPA fittings
- **Available on request:**
- longer lengths and bulk packaging
- cut lengths and assemblies, additional sizes
- alternative threads, other colours

Don't Forget



See page 45

Standards

BS EN IEC 61386

REACh ✓

RoHS ✓ CE

White Products

Construction: Polypropylene or upvc conduit system with nylon straight, 90° elbow, coupler and conduit clips options.



NEW

Conduit

FPP

For details see page 22

IP66

FPL

For details see page 40

IP66

Fittings

FLK

straight external thread

One piece, slim, fast fit, external threaded fitting suitable for knockouts or threaded entries.

IP66

FLK-90

90° elbow external thread

One piece, slim, fast fit, external threaded 90 degree elbow fitting suitable for knockouts.

IP66

FLK-FLK

90° elbow external thread

One piece, slim, fast fit, external threaded 90 degree elbow fitting suitable for knockouts.

IP66

FCL

nylon corrugated conduit clip with integral lid

Nylon PA66 conduit clip with integral lid for increased security. Incorporates internal ribs to prevent conduit from pulling through.

FCL-P

nylon plain conduit clip with integral lid

Nylon PA66 conduit clip with integral lid for increased security and plain internal diameter for use with rigid conduit or smoothbore flexible conduit.



nominal size (mm)	OD mm	FPP 50m coil	FPL 50m & 100m coil
20	20.0	FPP20W-50M	FPL20W-100M
25	25.0	FPP25W-50M	FPL25W-50M
34	34.5	FPP34W-50M	

Ext Metric	Ext Metric			
FLK20-M20W	FLK20-M20-90W	FLK20-FLK20W	FCL20W	FCL20W-P
FLK25-M25W	FLK25-M25-90W	FLK25-FLK25W	FCL25W	FCL25W-P
FLK34-M32W				

PVC - Contractor pack
white

NEW

FPL-CP20W	M20 thread
FPL-CP25W	M25 thread



- 10m of FPL white conduit
- 10 x Flexilok® fittings
- 10 x Locknuts

Cable Glands
white

IP68



Thread No.	White Part No.	Thread Length (mm)	Cable Dia (min) (mm)	Cable Dia (max) (mm)	Spanner Size (mm)	Pack Quantity
M16	CGM16W	11	5	10	22	100
M20	CGM20SW	11	6	12	24	100
M20	CGM20W	11	10	14	27	100
M25	CGM25W	11	13	18	33	50

supplied with locknut

For other colours see page 87

Standards

REACh ✓

CE

RoHS ✓







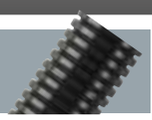


FPY, FPYS, FPYL, FPYLS system
corrugated flexible conduit
properties

- Highly flexible and high fatigue life
- High impact strength and recovers if crushed
- Temperature range -40˚C to +120˚C
- Highly resistant to solvents and oils
- **Self extinguishing (FPY and FPYS)**
- Halogen, sulphur and phosphorus free

Conduit

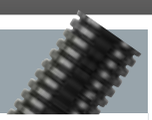
FPY



Construction: Nylon (PA6) corrugated flexible conduit. Colour black.

Typical Applications: Automotive

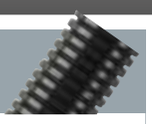
FPYS



Construction: Slit nylon (PA6) corrugated flexible conduit. Colour black.

Typical Applications: Automotive looms, harnesses and retrofit.

FPYL



Construction: Nylon (PA6) corrugated flexible conduit. Colour black.

Typical Applications: Lightweight automotive.

FPYLS



Construction: Slit, light weight nylon (PA6) corrugated flexible conduit. Colour black.

Typical Applications: Lightweight automotive looms, harnesses and retrofit.

european (NW) sizes	nominal size (mm)	pitch	FPY part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	FPYS part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	FPYL part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	FPYLS part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
	7	F	**FPY6B**	100	7.1	4.8	10															
7	10	F	**FPY8B**	50	10.0	6.5	15	**FPYS8B**	50	10.0	6.5	15	**FPYL8B***	100	10.0	6.5	15	**FPYLS8B***	100	10.0	6.5	15
8	11	F	**FPY10B**	50	11.5	8.5	20	**FPYS10B**	50	11.5	8.5	20	**FPYL10B***	100	11.5	8.5	20	**FPYLS10B***	100	11.5	8.5	20
10	13	F	**FPY12B**	50	13.0	10.0	25	**FPYS12B**	50	13.0	10.0	25	**FPYL12B***	100	13.0	10.1	25	**FPYLS12B***	100	13.0	10.1	25
12	16	F	**FPY16B**	50	16.1	12.8	35	**FPYS16B**	50	16.1	12.8	35	**FPYL16B***	100	16.1	13.0	35	**FPYLS16B***	100	16.1	13.0	35
12	16	F																				
14	18	F	**FPY18B**	50	18.5	14.2	35	**FPYS18B**	50	18.5	14.2	35	**FPYL18B***	100	18.5	14.4	35	**FPYLS18B***	100	18.5	14.4	35
17	21	F	**FPY20B**	50	21.2	16.9	40	**FPYS20B**	50	21.2	16.9	40	**FPYL20B***	100	21.2	17.1	40	**FPYLS20B***	100	21.2	17.1	40
22	25.4	F	**FPY25B**	50	25.4	21.4	45	**FPYS25B**	50	25.4	21.4	45	**FPYL25B***	100	25.4	21.6	45	**FPYLS25B***	100	25.4	21.6	45
23	28	F	**FPY28B**	50	28.5	23.0	45	**FPYS28B**	50	28.5	23.0	45	**FPYL28B***	50	28.5	23.2	45	**FPYLS28B***	50	28.5	23.2	45
29	34	C	**FPY32B**	25	34.5	28.3	55	**FPYS32B**	25	34.5	28.3	55	**FPYL32B***	50	34.5	28.5	55	**FPYLS32B***	50	34.5	28.5	55
36	42	C	**FPY40B**	25	42.5	35.7	65	**FPYS40B**	25	42.5	35.7	65	**FPYL40B***	50	42.5	35.9	65	**FPYLS40B***	50	42.5	35.9	65
48	54	C	**FPY50B**	25	54.5	47.4	80	**FPYS50B**	25	54.5	47.4	80	**FPYL50B***	50	54.5	47.6	80	**FPYLS50B***	50	54.5	47.6	80

F = fine pitch C = coarse pitch

Ordering Notes

- **Metric threads supplied complete with locknuts**
- **Available on request:**
- reduced outlet T pieces
- other colours
- PG threads

* FPYL & FPYLS are made to order on request and maybe subject to MOQ and lead times.



MP, MP90 & T system

IP40 IP67





Construction: Nylon compression fittings. Colour - black.

MP fitting with nylon retaining clip provides a pull off strength of 20kg with FPY20 and 15kg with FPYL20 and IP40.

MPS fitting with a neoprene sealing ring provides a pull off strength of 15kg with FPY20 and 10kg with FPYL20 and IP67.

Fittings

MP

straight external thread

Sraight nylon compression fitting external thread including locknut.

IP40

MPS

straight external thread

Straight nylon compression fitting, with seal, external thread including locknut.

IP67

MP90

90° elbow external thread

90° elbow nylon compression fitting external thread including locknut.

IP40

MPS90

90° elbow external thread

90° elbow nylon compression fitting, with seal, external thread including locknut.

IP67

T

T Piece fitting

T piece nylon compression fitting.

IP40

TS

T Piece fitting with seals

T piece nylon compression fitting, with seals.

IP67



MP shown



MP shown



IP40
T shown

Ext Metric	Ext Metric	Ext Metric	Ext Metric	T Piece	T Piece	european (NW) sizes	nominal size (mm)	OD mm
						7	10	10.0
						8	11	11.5
MP-12-M16	MPS-12-M16			T12X12X12	TS12X12X12	10	13	13.0
MP-16-M16	MPS-16-M16	MP90-16-M16	MPS90-16-M16	T16X16X16	TS16X16X16	12	16	15.8
MP-16-M20	MPS-16-M20	MP90-16-M20	MPS90-16-M20			12	16	
						14	18	18.5
MP-20-M20	MPS-20-M20	MP90-20-M20	MPS90-20-M20	T20X20X20	TS20X20X20	17	21	21.2
MP-25-M25	MPS-25-M25	MP90-25-M25	MPS90-25-M25	T25X25X25	TS25X25X25	22	25	25.4
MP-28-M25	MPS-28-M25	MP90-28-M25	MPS90-28-M25			23	28	28.5
MP-32-M32	MPS-32-M32	MP90-32-M32	MPS90-32-M32			29	34	34.5
MP-40-M40		MP90-40-M40				36	42	42.5
MP-50-M50						48	54	54.5

Standards

REACh RoHS BS EN IEC 61386 CE







chanhvinh.com

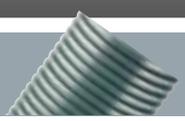


FPY system
large diameter nylon

IP40 IP65

Conduit

FPY



Construction:
Nylon (PA6) corrugated flexible conduit.
Colour black or grey.

Typical Applications: Machines and large control cabinets.

- Highly flexible
- High impact strength and recovers if crushed
- IP rating: IP40 or IP65
- Temperature range -40˚C to +120˚C
- Highly resistant to solvents and oils
- Self extinguishing
- Halogen, sulphur and phosphorus free
- UV resistant (black)

Fittings

MP

straight flanged nylon clamp fitting

Flanged body with 2 clamps.

IP40

MPS

straight flanged nylon clamp fitting with seals

Flanged body with 2 clamps and seals.

IP65

MP90

90° flanged nylon clamp fitting

Flanged 90° body with 2 clamps.

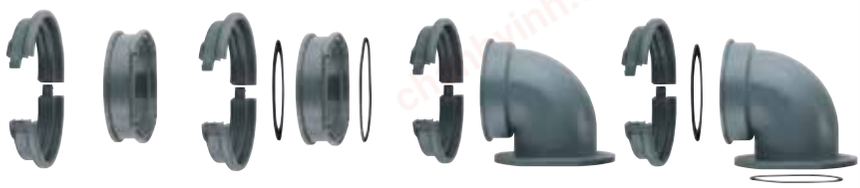
IP40

MPS90

90° flanged nylon clamp fitting with seals

Flanged 90° body with 2 clamps and seals.

IP65



european (NW) sizes	nominal size (mm)	FPY part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	MP termination	MP part number	MPS termination	MPS part number	MP90 termination	MP90 part number	MPS90 termination	MPS90 part number
70	80	**FPY80**	10	80.0	67.0	160	FL	**MP-80-FL**	FL	**MPS-80-FL**	FL	**MP90-80-FL**	FL	**MPS90-80-FL**
95	106	**FPY106**	10	106.0	91.5	210	FL	**MP-106-FL**	FL	**MPS-106-FL**	FL	**MP90-106-FL**	FL	**MPS90-106-FL**

Ordering Notes

- Specify black or grey (B = Black, G = Grey) eg: FPY80B-10M for Black 10m reel
- **Available on request:**
- longer lengths and bulk packaging
- cut lengths and assemblies
- alternative conduit material

Standards

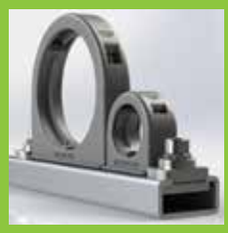
- FCC75 and FCC106 PVC lined plated steel P-clips
- 80mm can be used with F-Clamps - see page 45

BS EN IEC 61386

REACh RoHS CE

Conduit Fixing Accessories





properties

- Suitable for use with flexible and pliable conduits
- Clips and F-Clamps manufactured from nylon PA66
- Temperature Range -50° to 135°
- UV resistant
- Low Fire Hazard see page 102
- Halogen, Sulphur & Phosphorous Free
- Self extinguishing
- For installation instructions see page 100

Fittings

conduit clips

nylon conduit clip with integral lid - black or grey



FCLAMP (NEW)

non-metallic, heavy duty conduit clamp

Nylon PA66, conduit fixing clamp for corrugated conduit.



FCLAMP-CP (NEW)

plated steel cover plate for use with FCLAMP



FCLAMP-WP (NEW)

plated steel weld plate to fix FCLAMP



FCLAMP-EWP (NEW)

plated steel elongated weld plate to fix FCLAMP



FCLAMP-BOLT (NEW)

fixing bolts to secure FCLAMPs

For information on stacking bolts consult our website.



Conduit size (mm)	conduit clip for corrugated	conduit clip for plain or rigid	part number	part number	part number	part number	part number
10	FCL10						
13	FCL13						
16	FCL16	FCL16B-P	FCLAMP-3-16	FCLAMP-CP3	FCLAMP-WP3	FCLAMP-EWP3	FCLAMP-BOLT3
18	FCL18	FCL18B-P					
20	FCL20	FCL20B-P					
21	FCL21	FCL21B-P	FCLAMP-3-21	FCLAMP-CP3	FCLAMP-WP3	FCLAMP-EWP3	FCLAMP-BOLT3
25	FCL25	FCL25B-P					
26		FCL26B-P					
28	FCL28		FCLAMP-4-28	FCLAMP-CP4	FCLAMP-WP4	FCLAMP-EWP4	FCLAMP-BOLT4
32		FCL33B-P					
34	FCL34		FCLAMP-5-34	FCLAMP-CP5	FCLAMP-WP5	FCLAMP-EWP5	FCLAMP-BOLT5
42	FCL42		FCLAMP-6-42	FCLAMP-CP6	FCLAMP-WP6	FCLAMP-EWP6	FCLAMP-BOLT6
54	FCL54		FCLAMP-7-54	FCLAMP-CP7	FCLAMP-WP7	FCLAMP-EWP7	FCLAMP-BOLT7
67			FCLAMP-7-67	FCLAMP-CP7	FCLAMP-WP7	FCLAMP-EWP7	FCLAMP-BOLT7
80			FCLAMP-8-80	FCLAMP-CP8	FCLAMP-WP8	FCLAMP-EWP8	FCLAMP-BOLT8

mounting rail (NEW)

suitable for mounting FCL & FCL-P conduit clips and F-CLAMPS.

Supplied in 0.6m, 1.2m or 2.4m lengths.

For rail dimensions or for other lengths consult us or visit our website.



size	stainless steel	aluminium	galv steel	plastic
a	MRSSA-#	MRAA-#	MRGSA-#	MRPA-#
b	MRSSB-#	MRAB-#	MRGSB-#	MRPB-#
c	MRSSC-#	MRAC-#	MRGSB-#	MRPC-#

- enter desired length e.g 1.2m #=1.2M

mounting rail fixing accessories (NEW)



used to fix positions of FCL clips and F-Clamps on mounting rail and prevent movement.

Universal channel rail adaptor - suitable for mounting F-Clamps when used with channel rails such as Unistrut®, Halfen and Hilti.

material	MRFAL	MRFAM	MRFAH	UNIVERSAL
				
stainless steel	MRFALSS	MRFAMSS	MRFAHSS	
aluminium	MRFALA	MRFAMA	MRFAHA	
nickel plated brass	MRFALNPB	MRFAMNPB	MRFAHNPB	
nickel plated steel				MRFAU

For stacking arrangements of our F-Clamps visit our website for further details

See page 100 for installation instructions



FPCB system
spiral reinforced pvc
FPCG, FPCGN & FPCBU system
spiral reinforced pvc with special properties

IP65

Conduit

FPCB

Construction: Smooth bore, helically formed pvc, flexible conduit with spiral upvc reinforcement and flexible pvc jacket. Colour black.

Typical Applications: Routing of cables within machines.

FPCGN NEW

Construction: Smooth bore, helically formed pvc, flexible conduit with spiral upvc reinforcement and flexible pvc jacket. Colour green

Typical Applications: As FPCB but where oil resistance is required. UL recognised.

FPCG NEW

Construction: As FPCB except colour grey.

Typical Applications: As FPCB. UL recognised.

FPCBU NEW

Construction: As FPCB except colour blue.

Typical Applications: As FPCB but where high temperature is required. UL recognised.

Fittings

MPC NEW

straight nylon compression fitting external thread

2 part compression fitting with internal spigot and all round external teeth to grip conduit. Available in black or grey (RAL 7001).

IP65



nominal size (mm)	FPC part number Black	Grey (RAL 7001)	Green (RAL 6001)	Blue (RAL 5012)	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number	PG thread part number	NPT part number
12	FPC12B	FPC12G*	FPC12GN*	FPC12BU*	30	14.5	10.0	25	MPC-12-M16	MPC-12-PG9	
16	FPC16B	FPC16G*	FPC16GN*	FPC16BU*	30	16.5	12.0	25	MPC-16-M16	MPC-16-PG11	
16									MPC-16-M20	MPC-16-PG13	MPC-16-050
20	FPC20B	FPC20G*	FPC20GN*	FPC20BU*	30	21.0	16.0	35	MPC-20-M20	MPC-20-PG16	MPC-20-050
25	FPC25B	FPC25G*	FPC25GN*	FPC25BU*	30	27.5	22.0	45	MPC-25-M25	MPC-25-PG21	MPC-25-075
30	FPC30B*	FPC30G*			30	30.5	25.0	55	MPC-30-M32*	MPC-30-PG29*	
32	FPC32B	FPC32G*	FPC32GN*	FPC32BU*	10,30	33.5	28.0	60	MPC-32-M32	MPC-32-PG29	MPC-32-100
40	FPC40B	FPC40G*	FPC40GN*	FPC40BU*	10,30	41.0	35.0	80	MPC-40-M40	MPC-40-PG36	MPC-40-125
50	FPC50B	FPC50G*	FPC50GN*	FPC50BU*	10,30	46.4	40.0	105	MPC-50-M50	MPC-50-PG42	MPC-50-150
63	FPC63B	FPC63G*	FPC63GN*	FPC63BU*	10,30	57.0	50.0	120	MPC-63-M63	MPC-63-PG48	MPC-63-200



Ordering Notes

- Add reel length eg: FPC20B-30M for 30M

* Indicates parts made to order on request and may be subject to MOQ and lead time

- For UL recognised black conduit order FPCURB*

- **Available on request:**
  additional sizes
  alternative threads
  other colours



properties

- Highly flexible
- Accepts torsional movement
- Vibration and shock tested to EN61373 Cat 2
- IP rating: IP65
- Temperature range -5˚C to +70˚C (FPCB - black)
  -20˚C to +70˚C (FPCG - grey)
  -20˚C to +70˚C (FPCGN - green)
  -20˚C to +90˚C (FPCBU - blue)
  -5˚C to +70˚C (LTS - silver grey)

- **FPCB (black) is UV resistant**
- **FPCGN (green) is oil resistant**
- **FPCBU (blue) is high temperature**
- Self extinguishing
- Metric threads supplied complete with locknuts
- **FPCG, FPCGN, FPCBU and FPCURB are UL recognised to UL1696 for use in US and Canada**
- **LTS (silver grey) is smooth outer and smooth bore**





MPC90 NEW

90° elbow nylon compression fitting external thread

2 part compression, 90 degree elbow fitting with internal spigot and all round external teeth to grip conduit. Available in black or grey (RAL 7001).

IP65

MPC45 NEW

45° elbow nylon compression fitting external thread

2 part compression, 45 degree elbow fitting with internal spigot and all round external teeth to grip conduit. Available in black or grey (RAL 7001).

IP65

LTS NEW

smooth bore liquid tight sheathing

PVC, silver grey sheathing ideal for routing cables within machines. IP66 rating when used with MPC fittings.







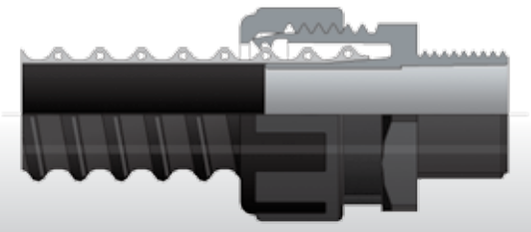
metric thread part number	PG thread part number	NPT part number	metric thread part number	NPT part number	part number	reel length (m)	outside dia (mm)	inside dia (mm)	nominal size (mm)
									12
MPC90-16-M16	MPC90-16-PG11								16
MPC90-16-M20	MPC90-16-PG13	MPC90-16-050	MPC45-16-M20	MPC45-16-050	LTS16SG-50M	50	16.5	12	16
MPC90-20-M20	MPC90-20-PG16	MPC90-20-050	MPC45-20-M20	MPC45-20-050	LTS20SG-50M	50	21.0	16	20
MPC90-25-M25	MPC90-25-PG21	MPC90-25-075	MPC45-25-M25	MPC45-25-075	LTS25SG-50M	50	27.5	22	25
									30
MPC90-32-M32	MPC90-32-PG29	MPC90-32-100	MPC45-32-M32	MPC45-32-100	LTS32SG-50M	50	33.5	28	32
MPC90-40-M40	MPC90-40-PG36	MPC90-40-125							40
MPC90-50-M50		MPC90-50-150							50
MPC90-63-M63		MPC90-63-200							63

Standards

BS EN IEC 61386

* refer to conduit properties for applicable standards

Technical Drawing





LPC system
smooth spiral reinforced pvc

IP66 IP67 IP68 IP69

Conduit

LPC



Construction: Smooth bore, smooth cover, helically formed pvc, flexible conduit with spiral upvc reinforcement and flexible pvc jacket. Colour black or grey.

Typical Applications: Food processing machines and wash-down installations. LPCG is suitable for food contact.

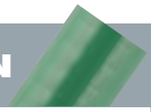
LPCO



Construction: As LPC except colour orange.

Typical Applications: As LPC but where high flexibility is required.

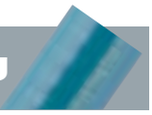
LPCGN



Construction: As LPC except colour green.

Typical Applications: As LPC but where oil resistance is required.

LPCBU



Construction: As LPC except colour blue.

Typical Applications: As LPC but where high temperature is required.

Fittings

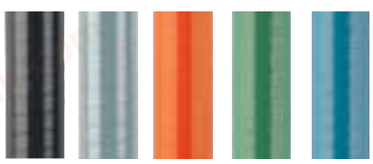
FCL-P

non metallic conduit clip

Nylon conduit fixing clip for smooth conduit. Available in black or grey (RAL 7001).



nominal size (mm)	LPC part number	Grey (RAL 7001)	Orange (RAL 2008)	Green (RAL 6001)	Blue (RAL 5012)	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number
12	LPC12B	LPC12G*	LPC12O*	LPC12GN*	LPC12BU*	30	14.2	10.0	50	
16	LPC16B	LPC16G	LPC16O	LPC16GN*	LPC16BU*	30	17.8	12.6	50	FCL18-P
16										
20	LPC20B	LPC20G	LPC20O	LPC20GN*	LPC20BU*	10, 30	21.1	16.0	70	FCL21-P
25	LPC25B	LPC25G	LPC25O	LPC25GN*	LPC25BU*	10, 30	26.4	21.0	90	FCL26-P
32	LPC32B	LPC32G	LPC32O	LPC32GN*	LPC32BU*	10, 30	33.1	26.5	140	FCL33-P
40	LPC40B	LPC40G*	LPC40O*	LPC40GN*	LPC40BU*	10, 30	41.8	35.4	190	
50	LPC50B	LPC50G*	LPC50O*	LPC50GN*	LPC50BU*	10, 30	47.9	40.0	240	
63	LPC63B	LPC63G*	LPC63O*	LPC63GN*	LPC63BU*	10, 30	59.7	51.3	270	



Ordering Notes

* Indicates parts made to order on request and may be subject to MOQ and lead time

- **Available on request:**
- additional sizes
- alternative threads
- alternative materials (eg. PU)
- other colours
- conduit couplers
- 45 degree brass elbow
- combined conduit fitting with cable gland, see page 84

Alternatives



properties

- Smooth, wipe clean surface
- Accepts some torsional movement
- IP rating: **IP66, IP67 and IP68 with MPC fittings**
  IP66, IP67, IP68 (2 bar) + IP69 with metal C-type compression fittings
- Temperature range **-5˚C to +70˚C (LPC and LPCG)**
  -20˚C to +70˚C (LPCO and LPCGN)
  -20˚C to +90˚C (LPCBU)
- **LPCG (grey) is suitable for food contact**
- **LPCO (orange) is highly flexible**
- **LPCGN (green) is oil resistant**
- **LPCB (black) is UV resistant**
- Self extinguishing
- Metric nylon fittings supplied complete with locknut
- Vibration and shock tested to EN 61373 Cat 2





MPC NEW

straight nylon compression fitting external thread including locknut

2 part compression fitting with internal spigot and all round external teeth to grip conduit. Available in black or grey (RAL 7001).

IP66 IP67 IP68

MPC90 NEW

90° elbow nylon compression fitting external thread

2 part compression, 90 degree elbow fitting with internal spigot and all round external teeth to grip conduit. Available in black or grey (RAL 7001).

IP66 IP67 IP68

MPC45 NEW

45° elbow nylon fitting external thread

2 part compression, 45 degree elbow fitting with internal spigot and all round external teeth to grip conduit. Available in black or grey (RAL 7001).

IP66 IP67 IP68







metric thread part number	PG thread part number	NPT thread part number	metric thread part number	PG thread part number	NPT thread part number	metric thread part number	NPT thread part number	nominal size (mm)
MPC-12-M16	MPC-12-PG9							12
MPC-16-M16	MPC-16-PG11		MPC90-16-M16	MPC90-16-PG11				16
MPC-16-M20	MPC-16-PG13	MPC-16-050	MPC90-16-M20	MPC90-16-PG13	MPC90-16-050	MPC45-16-M20	MPC45-16-050	16
MPC-20-M20	MPC-20-PG16	MPC-20-050	MPC90-20-M20	MPC90-20-PG16	MPC90-20-050	MPC45-20-M20	MPC45-20-050	20
MPC-25-M25	MPC-25-PG21	MPC-25-075	MPC90-25-M25	MPC90-25-PG21	MPC90-25-075	MPC45-25-M25	MPC45-25-075	25
MPC-32-M32	MPC-32-PG29	MPC-32-100	MPC90-32-M32	MPC90-32-PG29	MPC90-32-100	MPC45-32-M32	MPC45-32-100	32
MPC-40-M40	MPC-40-PG36	MPC-40-125	MPC90-40-M40	MPC90-40-PG36	MPC90-40-125			40
MPC-50-M50	MPC-50-PG42	MPC-50-150	MPC90-50-M50		MPC90-50-150			50
MPC-63-M63	MPC-63-PG48	MPC-63-200	MPC90-63-M63		MPC90-63-200			63

Standards

REACh ✓

BS EN IEC 61386 CE RoHS ✓

Technical Drawing



chanhvinh.com



LPC system
metallic fittings for use with LPC conduits

IP66 IP67 IP68 IP69 FG FOOD GRADE

Fittings

C — NEW

external metric thread nickel plated brass

Multipart compression fitting including elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened.

IP66 IP67 IP68 IP69



C-S — NEW

swivel external thread nickel plated brass

Compression fitting for knockout or threaded entries.

Multipart compression fitting including elastomeric seal. The external thread swivels about the main body even after tightening.

IP66 IP67 IP68 IP69



C-90 — NEW

external thread nickel plated brass

Multipart compression fitting including elastomeric seal. Can be used for knockouts.

IP66 IP67 IP68 IP69



C45

external thread nickel plated brass

45˚ multipart compression fitting including elastomeric seal. Can be used for knockouts.

IP66 IP67 IP68 IP69



nominal size (mm)	LPC conduit see page 48	metric thread part number	for PG thread size	for NPT thread size	thread	metric thread part number	metric thread part number	metric thread part number
12	LPC12	LPC12-M16-C	LPC12-PG9-C			LPC12-M16-S	LPC12-M16-C90	
16		LPC16-M16-C	LPC16-PG11-C			LPC16-M16-S	LPC16-M16-C90	
16	LPC16	LPC16-M20-C	LPC16-PG13-C	LPC16-050-C	(½")	LPC16-M20-S	LPC16-M20-C90	LTP16-M20-C45
20	LPC20	LPC20-M20-C	LPC20-PG16-C	LPC20-050-C	(½")	LPC20-M20-S	LPC20-M20-C90	LTP20-M20-C45
25	LPC25	LPC25-M25-C	LPC25-PG21-C	LPC25-075-C	(¾")	LPC25-M25-S	LPC25-M25-C90	LTP25-M25-C45
32	LPC32	LPC32-M32-C	LPC32-PG29-C	LPC32-100-C	(1")	LPC32-M32-S	LPC32-M32-C90	LTP32-M32-C45
40	LPC40	LPC40-M40-C	LPC40-PG36-C	LPC40-125-C	(1¼")	LPC40-M40-S	LPC40-M40-C90	LTP40-M40-C45
50	LPC50	LPC50-M50-C	LPC50-PG42-C	LPC50-150-C	(1½")		LPC50-M50-C90	LTP50-M50-C45
63	LPC63	LPC63-M63-C	LPC63-PG48-C	LPC63-200-C	(2")		LPC63-M63-C90	LTP63-M63-C45

* Please see conduit range information page 48

Ordering Notes

* Indicates parts made to order on request and may be subject to MOQ and lead time

- **Available on request:**
- additional sizes
- alternative threads
- alternative materials (eg. PU)
- other colours
- conduit couplers
- 45 degree brass elbow
- combined conduit fitting with cable gland, see page 84

Alternatives



properties

- Smooth, wipe clean surface
- Accepts some torsional movement
- IP rating: IP66, IP67 and IP68 with MPC fittings
  IP66, IP67, IP68 (2 bar) + IP69 with metal C-type compression fittings
- Temperature range -5˚C to +70˚C (LPC and LPCG)
  -20˚C to +70˚C (LPCO and LPCGN)
  -20˚C to +90˚C (LPCBU)
- LPCG (grey) is suitable for food contact
- C-FG - IP66, IP67, IP68 (2 bar) and IP69
- C-FG fitting designed in accordance with EN1672-2 and EN ISO 14159
- C-FG fitting manufactured from stainless steel grade 316L
- C-FG also suitable for use with LTP liquid tight conduits





CSS NEW

external thread stainless steel

Multipart compression fitting including elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened.

IP66 IP67 IP68 IP69

C90-SS NEW

external thread stainless steel

Multipart compression fitting including elastomeric seal. Can be used for knockouts.

IP66 IP67 IP68 IP69

C-FG NEW FG FOOD GRADE

external thread stainless steel food grade

Multipart compression fitting designed using principles given in EN1672-2 and EN ISO 14159. Manufactured from 316L stainless steel, complete with polyester elastomer compression seals to prevent ingress of food or bacteria. Can be used for knockout or threaded entries as fitting rotates until tightend.

IP66 IP67 IP68 IP69







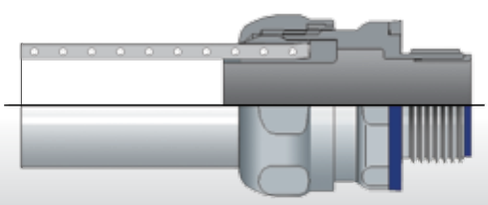
metric thread part number	metric thread part number	metric thread part number	nominal size (mm)
			12
LPC16-M16-CSS		LPC16-M16-C-FG	16
LPC16-M20-CSS	LPC16-M20-CSS90		16
LPC20-M20-CSS	LPC20-M20-CSS90	LPC20-M20-C-FG	20
LPC25-M25-CSS	LPC25-M25-CSS90	LPC25-M25-C-FG	25
LPC32-M32-CSS	LPC32-M32-CSS90	LPC32-M32-C-FG	32
LPC40-M40-CSS		LPC40-M40-C-FG*	40
LPC50-M50-CSS		LPC50-M50-C-FG*	50
			63

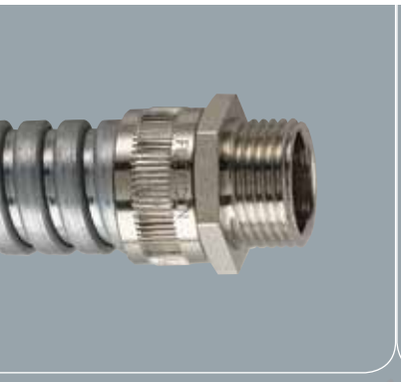
Standards

REACh

BS EN IEC 61386 CE RoHS

Technical Drawing








With over 28 different metallic conduit systems to select from there is sure to be a system to meet your application. Choose from conduit systems ranging from 10mm to 75mm in size, manufactured in galvanised steel or stainless steel and with or without a range of coverings/overbraiding.



Key Features

- High compression strength
- High pull off strength
- Wide temperature tolerances
- High impact strength
- EMC screening performance
- High IP rating - up to IP69

Key Benefits

- Suitable for a range of applications including heavy duty
- Maintains integrity of the system in extreme applications
- Suitable for a diverse range of operating environments
- Can withstand impact forces such as falling objects
- Protection against electromagnetic interference
- No risk of water or dust ingress

chanhvinh.com






metallic
conduit & fittings

REACh RoHS BS EN IEC 61386 CE Lloyd's Register TYPE APPROVAL IEC IECEx PG Ex

chanhvinh.com

metallic selection application guide

Page number	conduit system		IP rating available	compression strength kg/100mm 20mm nominal size	pull-off strength kg 20mm nominal size	minimum bend radius 20mm nominal size	colours
58	**FU** galvanised steel		IP40	350	120	45	zinc
58	**SSU** stainless steel, grade 316		IP40	400	170	45	stainless steel
60	**FSU** galvanised steel, pvc coated		IP54, IP65	350	120	45	black, grey, orange
60	**FNU** galvanised steel, nylon coated		IP54, IP65	350	120	45	black
62	**LFHU** galvanised steel, LFH coated		IP54, IP65	350	120	45	black
62	**FPU** galvanised steel, polyurethane coated	 NEW	IP54, IP65	350	120	45	black, blue
64	**LTP/LTPAS** galv steel, pvc coated, liquid tight	 NEW	IP66, IP67, IP68, IP69	400	130	65	black, grey, orange
64	**LTPHC** galv steel, thermoplastic elastomer, liquid tight		IP66, IP67, IP68, IP69	400	130	65	black
64	**LTPUL** galv steel, pvc coated, liquid tight		IP66, IP67, IP68, IP69	500	160	90	black
66	**LTPLFH** galv steel, pvc coated, liquid tight	 NEW	IP66, IP67, IP68, IP69	400	130	60	black
66	**LTPSS** stainless steel, pvc coated, liquid tight		IP66, IP67, IP68, IP69	400	130	65	black
66	**LTPPU/LTPPUAS** galv steel, polyurethane coated, liquid tight	 NEW	IP66, IP67, IP68, IP69	400	130	65	black, blue
66	**LTBRDP** galv steel, braided core, pvc coated, liquid tight	 NEW	IP66, IP67, IP68, IP69	400	130	65	black
66	**LTBRDLFH** galv steel, braided core, LFH coated, liquid tight	 NEW	IP66, IP67, IP68, IP69	400	130	130	black
74	**FL** galvanised steel, pliable		IP40	300	30	35	zinc
74	**FLP** galvanised steel, pvc coated, pliable		IP66, IP67, IP68, IP69	300	50, 100	35	black
75	**LFHP** galvanised steel, LFH coated, pliable	 NEW	IP66, IP67, IP68, IP69	570	50, 100	40	black
76	**FSB** galv steel, pvc, galv steel overbraid		IP54, IP65	350	120, 300	45	zinc
76	**LFHUBRD** galv steel, LFH coated, SS316 overbraid		IP54, IP65	350	120, 300	45	stainless steel
78	**FB** galvanised steel, galv steel overbraid		IP40	350	120	45	zinc
78	**FUSSB** galvanised steel, SS316 overbraid		IP40	350	120	45	stainless steel
80	**LTPBRD** galv steel, elastomer coated, SS316 overbraid		IP66, IP67, IP68, IP69	400	350	65	stainless steel
82	**FPRSS** PA6 corrugated, SS316 overbraid		IP67	75	100	45	stainless steel
82	**FPRTC** PA6 corrugated, tinned copper overbraid		IP67	75	75	45	tin
82	**FPISS** PA12 corrugated, SS316 overbraid		IP67	45	100	45	stainless steel
82	**FPIHSS** PA12 corrugated, SS316 overbraid		IP67	60	100	45	stainless steel

86 accessories 91 contractor packs 94 chemical resistance

metallic conduit and fittings

high fatigue life	temperature range	flexible	pliable	low fire hazard	halogen free	self extinguishing	EMC screening @1MHz	high abrasion resistance	high UV/ outdoor use	
	-100˚C to +300˚C	●		●	●	●		●		**FU** galvanised steel
	-100˚C to +600˚C	●		●	●	●		●	●	**SSU** stainless steel, grade 316
●	-15˚C to +70˚C	●				●			●	**FSU** galvanised steel, pvc coated
	-40˚C to +120˚C	●			●	●		●		**FNU** galvanised steel, nylon coated
	-25˚C to +90˚C	●		●	●	●				**LFHU** galvanised steel, LFH coated
●	-40˚C to +100˚C	●			●	●		●		**FPU** galvanised steel, polyurethane coated
	-20˚C to +105˚C	●				●			●	**LTP/LTPAS** galv steel, pvc coated, liquid tight
	-60˚C to +150˚C	●			●	●			●	**LTPHC** galv steel, thermoplastic elastomer, liquid tight
	-15˚C to +75˚C	●				●			●	**LTPUL** galv steel, pvc coated, liquid tight
	-25˚C to +90˚C	●		●		●			●	**LTPLFH** galv steel, pvc coated, liquid tight
	-20˚C to +105˚C	●				●			●	**LTPSS** stainless steel, pvc coated, liquid tight
●	-40˚C to +100˚C	●			●	●		●	●	**LTPPU/LTPPUAS** galv steel, polyurethane coated, liquid tight
	-20˚C to +105˚C	●				●	60dB		●	**LTBRDP** galv steel, braided core, pvc coated, liquid tight
	-25˚C to +90˚C	●		●	●	●	60dB			**LTBRDLFH** galv steel, braided core, LFH coated, liquid tight
	-40˚C to +120˚C		●	●	●	●	70dB			**FL** galvanised steel, pliable
	-15˚C to +70˚C		●			●	70dB		●	**FLP** galvanised steel, pvc coated, pliable
	-25˚C to +90˚C		●	●	●	●	70dB		●	**LFHP** galvanised steel, LFH coated, pliable
	-15˚C to +70˚C	●				●	55dB	●		**FSB** galv steel, pvc, galv steel overbraid
	-25˚C to +90˚C	●		●	●	●	49dB	●		**LFHUBRD** galv steel, LFH coated, SS316 overbraid
	-100˚C to +300˚C	●		●	●	●	55dB	●		**FB** galvanised steel, galv steel overbraid
	-100˚C to +300˚C	●		●	●	●	49dB	●		**FUSSB** galvanised steel, SS316 overbraid
	-60˚C to +150˚C	●			●	●	49dB	●	●	**LTPBRD** galv steel, elastomer coated, SS316 overbraid
	-40˚C to +120˚C	●		●	●	●	49dB	●	●	**FPRSS** PA6 corrugated, SS316 overbraid
	-40˚C to +120˚C	●		●	●	●	67dB			**FPRTC** PA6 corrugated, tinned copper overbraid
●	-50˚C to +110˚C	●			●	●	49dB	●	●	**FPISS** PA12 corrugated, SS316 overbraid
●	-50˚C to +110˚C	●		●	●	●	49dB	●	●	**FPIHSS** PA12 corrugated, SS316 overbraid



metallic selection guide

IP66 IP67 IP68 IP69

BS EN IEC 61386

- UK manufactured products to the highest standards
- Highest IP performance for liquid tight fittings as standard
- Highest tensile strength performance fittings
- Stainless Steel variants available
- Vibration tested for secure installations
- Simple construction for ease of installation - Fixed and Swivel versions
- Multiple thread variations available - Metric, PG, NPT
- Tested and approved to the latest National and International Standards
- Widest choice whatever your application

Fixed External | Swivel | Fixed Internal | Plain Hole



IP40 IP54



IP40 IP54



IP40 IP54



IP40 IP54

See Pg 58, 59, 60, 61, 62, & 63

Stainless Steel



IP40

See Pg 58 & 59

Insert | Cable Gland | Clips | Locknuts











See Pg 86 & 87



Liquid Tight



IP66 IP67 IP68 IP69

See Pg 50, 61, 63, 64, 65 & 66

Liquid Tight Stainless Steel



IP66 IP67 IP68 IP69

See Pg 51 & 67

EXE



IP66

See Pg 71

EXD Flameproof Barrier Glands

Straight 90° 45° Braided



IP66 IP67 IP68 IP69 *

See Pg 68, 69 & 70

*Straight & braided

FL Straight / FLP Straight / ULTRASCREEN® External / Internal



IP40 IP66 IP67 IP66 IP67 IP68 IP69

See Pg 74 & 75

Braided



IP40 IP54

See Pg 76, 77, 78 & 79

Braided Compression



IP65 IP66 IP67 IP68 IP69

See Pg 77, 80, 81, 82 & 83

LTP with Strain Relief / BRAIDED with Strain Relief



IP66 IP67 IP68 IP69

See Pg 84

Accessories



Elbows



See Pg 87 & 88

Stopping Plugs



Couplers

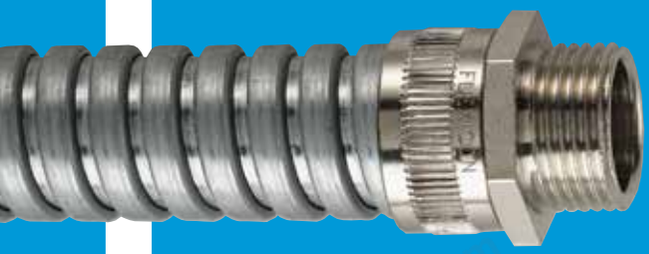


Thread Converters



See Pg 88

chanhvinh.com



FU & SSU system
galvanised steel and stainless steel

INHERENT LOW FIRE HAZARD ★★★

Conduit

FU



Construction: Galvanised steel, helically wound, flexible conduit. Colour zinc, self colour.

Typical Applications: Underfloor wiring in office blocks.

SSU



Construction: Stainless steel (grade 316), helically wound, flexible conduit.
Colour stainless steel, self colour.

Typical Applications: Instrumentation and security.

Fittings

M

fixed external thread nickel plated brass

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

IP40

M-SS

fixed external thread stainless steel

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

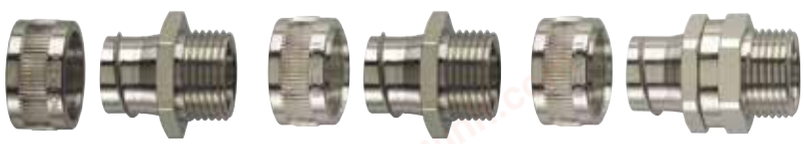
IP40

S

swivel external thread nickel plated brass

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

IP40



nominal size (mm)	FU part number	reel length (m)	SSU part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number	PG thread part number	metric thread part number	metric thread part number	PG thread part number
10	FU10+	25, 50	SSU10+	10, 25, 50	9.0	6.8	25	FU10-M12-M	FU10-PG7-M	SSU10-M12-M	FU10-M12-S	FU10-PG7-S
12	FU12	25, 50	SSU12+	10, 25, 50	13.0	10.2	30	FU12-M16-M	FU12-PG9-M	SSU12-M16-M	FU12-M16-S	FU12-PG9-S
16	FU16	10, 25, 50	SSU16	10, 25, 50	16.0	13.0	40	FU16-M16-M	FU16-PG11-M	SSU16-M16-M	FU16-M16-S	FU16-PG11-S
16								FU16-M20-M			FU16-M20-S	FU16-PG13-S
20	FU20	10, 25, 50	SSU20	10, 25	20.5	16.9	45	FU20-M20-M	FU20-PG16-M	SSU20-M20-M	FU20-M20-S	FU20-PG16-S
25	FU25	10, 25, 50	SSU25	10, 25	25.0	21.1	55	FU25-M25-M	FU25-PG21-M	SSU25-M25-M	FU25-M25-S	FU25-PG21-S
32	FU32	10, 25	SSU32	10, 25	32.0	28.1	60	FU32-M32-M	FU32-PG29-M	SSU32-M32-M	FU32-M32-S	FU32-PG29-S
40	FU40	10, 25	SSU40	10	42.5	37.6	80	FU40-M40-M	FU40-PG36-M	SSU40-M40-M	FU40-M40-S	FU40-PG36-S
50	FU50	10, 25	SSU50	10	53.0	48.4	90	FU50-M50-M	FU50-PG48-M	SSU50-M50-M	FU50-M50-S	FU50-PG42-S
63	FU63	10	SSU63*	10	62.5	57.5	115	FU63-M63-M		SSU63-M63-M*	FU63-M63-S	
75	FU75	10			77.0	70.0	150	FU75-M75-M				

Ordering Notes

- Add reel length eg: FU20-25M for 25m reel

* Indicates parts made to order on request and may be subject to MOQ and lead time

\+ Double interlock section

- **Available on request:**
- longer lengths and bulk packaging
- cut lengths and assemblies
- alternative threads

How to read the fittings code

FU10-M12-M

conduit
thread size
fitting type

system properties

- High mechanical strength
- Highly flexible
- Inherently Low Fire Hazard (LFH)
- Fully compliant to LUL Std 1-085 (Cert No. 296)
- Temperature range **-100˚C to +300˚C (FU)**
  -100˚C to +600˚C (SSU + SS fittings)
  -100˚C to +400˚C (SSU + NPB fittings)
- IP rating: IP40
- **SSU is highly corrosion resistant**
- **Nickel plated brass fittings**
- **Stainless steel (316) fittings**





S-SS

swivel external thread stainless steel

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

IP40

P

plain hole connector nickel plated brass

Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.

IP40

F

fixed internal thread nickel plated brass

Two part fitting comprising shell and body with internal thread which can be used to connect with an external thread.

IP40

FCC

plated steel P clip with pvc liner and secure stainless steel P clips

P clip to support and secure conduit.

90° elbow

internal and external threaded nickel plated brass elbow

90° elbow which can be screwed onto external threaded fittings to create a 90° elbow termination.











metric thread part number	hole size (mm)	part number	metric thread part number	plated steel part number	stainless steel part number	part number	
SSU10-M12-S	9	FU10-P		FCC10	FCC10-SS*	BM90-PG7	10
SSU12-M16-S	12	FU12-P		FCC12	FCC12-SS*	BM90-16M	12
SSU16-M16-S	16	FU16-P	FU16-M16-F	FCC16	FCC16-SS	BM90-16M	16
			FU16-M20-F	FCC16	FCC16-SS	BM90-20M	16
SSU20-M20-S	20	FU20-P	FU20-M20-F	FCC20	FCC20-SS	BM90-20M	20
SSU25-M25-S	25	FU25-P	FU25-M25-F	FCC25	FCC25-SS	BM90-25M	25
SSU32-M32-S	32	FU32-P	FU32-M32-F	FCC32	FCC32-SS	BM90-32M	32
	40	FU40-P	FU40-M40-F	FCC40	FCC40-SS	BM90-40M	40
	51	FU50-P	FU50-M50-F	FCC50	FCC50-SS*	BM90-50M	50
	61	FU63-P	FU63-M63-F	FCC63			63
	75	FU75-P		FCC75			75

Standards

UNDERGROUND

BS EN IEC 61386

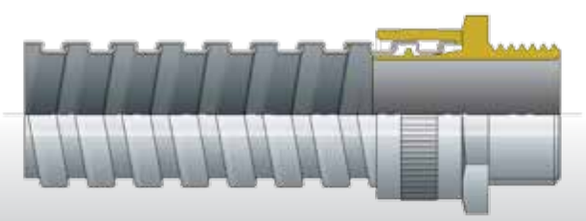
CE

REACh

RoHS

Note: refer to conduit properties for applicable standards

Technical Drawing





FSU & FNU system
galvanised steel pvc or nylon coated

Conduit

FSU



Construction: Galvanised steel, helically wound, flexible conduit with pvc coating. Colour black. Grey or orange on request.*

Typical Applications: General factory wiring and connections to machines.

FNU



Construction: Galvanised steel, helically wound, flexible conduit with elastomeric nylon coating. Colour black.

Typical Applications: Demanding applications requiring higher temperatures or solvent and abrasion resistance.

Fittings

M

fixed external thread nickel plated brass

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

IP54

S

swivel external thread nickel plated brass

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

IP54

P

plain hole connector nickel plated brass

Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.

IP54



nominal size (mm)	FSU part number	reel length (m)	FNU part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number	PG thread part number	metric thread part number	PG thread part number	hole size (mm)	part number
10	FSU10B+	25, 50			10.0	6.8	25	FSU10-M12-M	FSU10-PG7-M	FSU10-M12-S	FSU10-PG7-S	9	FSU10-P
12	FSU12B	25, 50			14.0	10.2	30	FSU12-M16-M	FSU12-PG9-M	FSU12-M16-S	FSU12-PG9-S	12	FSU12-P
16	FSU16B	10, 25, 50	FNU16B*	25	17.0	13.0	40	FSU16-M16-M	FSU16-PG11-M	FSU16-M16-S	FSU16-PG11-S	16	FSU16-P
16								FSU16-M20-M		FSU16-M20-S	FSU16-PG13-S		
20	FSU20B	10, 25, 50	FNU20B*	25	21.5	16.9	45	FSU20-M20-M	FSU20-PG16-M	FSU20-M20-S	FSU20-PG16-S	20	FSU20-P
25	FSU25B	10, 25, 50	FNU25B*	25	26.0	21.1	55	FSU25-M25-M	FSU25-PG21-M	FSU25-M25-S	FSU25-PG21-S	25	FSU25-P
32	FSU32B	10, 25	FNU32B*	25	34.0	28.1	60	FSU32-M32-M	FSU32-PG29-M	FSU32-M32-S	FSU32-PG29-S	32	FSU32-P
40	FSU40B	10, 25			44.5	37.6	90	FSU40-M40-M	FSU40-PG36-M	FSU40-M40-S	FSU40-PG36-S	40	FSU40-P
50	FSU50B	10, 25			55.0	48.4	100	FSU50-M50-M	FSU50-PG48-M	FSU50-M50-S	FSU50-PG42-S	51	FSU50-P
63	FSU63B	10			64.5	57.5	115	FSU63-M63-M		FSU63-M63-S		61	FSU63-P
75	FSU75B	10			79.0	70.0	150	FSU75-M75-M				75	FSU75-P

Ordering Notes

- Add reel length eg: FSU20-25M for 25m reel
- FSU fittings used for FNU conduit

* Indicates parts made to order on request and may be subject to MOQ and lead time

\+ Double interlock section

- **Available on request:**
- low temperature (-40°C) version of FSU
- longer lengths and bulk packaging
- cut lengths and assemblies
- other colours
- stainless steel fittings (grade 316)
- alternative threads
- 45° elbows 16 to 32mm
- UV resistant version of FSU

How to read the fittings code

FSU10-M12-M

conduit
thread size
fitting type

properties

- High mechanical strength
- Highly flexible
- IP rating: IP54 with standard fittings,
  IP65 with type C compression fittings
- Temperature range **-15˚C to +70˚C (FSU)**
  -40˚C to +120˚C (FNU)
- **FNU offers high abrasion resistance and solvent resistance**
- Low Fire Hazard version available (see type LFHU on page 62)
- Nickel plated brass fittings





F
fixed internal thread nickel plated brass

Two part fitting comprising shell and body with internal thread which can be used to couple two pieces of conduit together when used with a swivel fitting.

IP54

C
external thread nickel plated brass

Multipart compression fitting including elastomeric seal. Can be used for knockouts or threaded entries as fitting rotates until tightened.

IP65

C-S
external thread nickel plated brass

Multipart compression fitting including elastomeric seal.

The external thread swivels about the main body even after tightening.

IP65

C90
external thread elbow nickel plated brass

Multipart 90˚ compression fitting including elastomeric seal.

IP65

coupler
nickel plated brass

Multi part compression coupler including elastomeric seals to join 2 conduits.

IP65

E
insert nickel plated brass

Single part, machined insert to cap end of conduit.



metric thread part number	metric thread part number	PG thread part number	NPT thread part number	metric thread part number	metric thread part number	part number	part number	nominal size (mm)
	FSU10-M12-C						FSU10-E	10
	FSU12-M16-C	FSU12-PG9-C		FSU12-M16-C-S	FSU12-M16-C90		FSU12-E	12
FSU16-M16-F	FSU16-M16-C	FSU16-PG11-C	FSU16-050-C	FSU16-M16-C-S	FSU16-M16-C90	FSU16-FSU16	FSU16-E	16
FSU16-M20-F	FSU16-M20-C	FSU16-PG13-C		FSU16-M20-C-S	FSU16-M20-C90		FSU16-E	16
FSU20-M20-F	FSU20-M20-C	FSU20-PG16-C	FSU20-050-C	FSU20-M20-C-S	FSU20-M20-C90	FSU20-FSU20	FSU20-E	20
FSU25-M25-F	FSU25-M25-C	FSU25-PG21-C	FSU25-075-C	FSU25-M25-C-S	FSU25-M25-C90	FSU25-FSU25	FSU25-E	25
FSU32-M32-F	FSU32-M32-C	FSU32-PG29-C	FSU32-100-C	FSU32-M32-C-S	FSU32-M32-C90	FSU32-FSU32	FSU32-E	32
FSU40-M40-F	FSU40-M40-C						FSU40-E	40
FSU50-M50-F	FSU50-M50-C						FSU50-E	50
FSU63-M63-F							FSU63-E	63
							FSU75-E	75

Also available in a Contractor Pack - see page 91

Standards

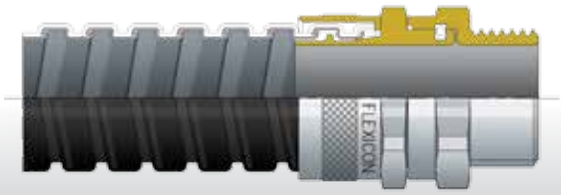
BS EN IEC 61386

CE

REACh

RoHS

Technical Drawing





LFHU system
galvanised steel LFH coated

EXTRA LOW FIRE HAZARD ★★

FPU system
NEW

galvanised steel
polyurethane coated

Conduit

LFHU



Construction: Galvanised steel, helically wound, flexible steel conduit with Low Fire Hazard (LFH) coating.
Colour black.

Typical Applications: Public and commercial buildings and tunnels.

FPU



NEW

Construction: Galvanised steel, helically wound, flexible steel conduit with low temperature, high abrasion, high fatigue life halogen free polyurethane coating.
Colour black and metallic blue.

Typical Applications: Where low temperature and mechanical strength are important.

Fittings

M

fixed external thread nickel plated brass

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

IP54

S

swivel external thread nickel plated brass

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

IP54

P

plain hole connector nickel plated brass

Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.

IP54



nominal size (mm)	LFHU part number	reel length (m)	FPU part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number	PG thread part number	metric thread part number	PG thread part number	hole size (mm)	part number
12	LFHU12B*	25	FPU12B*	25	14.0	10.2	30	FSU12-M16-M	FSU12-PG9-M	FSU12-M16-S	FSU12-PG9-S	12	FSU12-P
16	LFHU16B	25, 50	FPU16B	25	17.0	13.0	40	FSU16-M16-M	FSU16-PG11-M	FSU16-M16-S	FSU16-PG11-S	16	FSU16-P
16								FSU16-M20-M		FSU16-M20-S	FSU16-PG13-S		
20	LFHU20B	10, 25, 50	FPU20B	25, 50	21.5	16.9	45	FSU20-M20-M	FSU20-PG16-M	FSU20-M20-S	FSU20-PG16-S	20	FSU20-P
25	LFHU25B	10, 25, 50	FPU25B	25, 50	26.0	21.1	55	FSU25-M25-M	FSU25-PG21-M	FSU25-M25-S	FSU25-PG21-S	25	FSU25-P
32	LFHU32B	10, 25	FPU32B	25	34.0	28.1	80	FSU32-M32-M	FSU32-PG29-M	FSU32-M32-S	FSU32-PG29-S	32	FSU32-P
40	LFHU40B	10, 25	FPU40B*	10	44.5	37.6	90	FSU40-M40-M	FSU40-PG36-M	FSU40-M40-S	FSU40-PG36-S	40	FSU40-P
50	LFHU50B	10, 25	FPU50B*	10	55.0	48.4	100	FSU50-M50-M	FSU50-PG48-M	FSU50-M50-S	FSU50-PG42-S	51	FSU50-P
63	LFHU63B	10	FPU63B*	10	64.5	57.5	115	FSU63-M63-M		FSU63-M63-S		61	FSU63-P
75	LFHU75B	10	FPU75B*	10	79.0	70.0	150	FSU75-M75-M				75	FSU75-P

Ordering Notes

- Add reel length eg: LFHU20B-25M for 25m reel
- FSU fittings used on LFHU conduit
- For metallic blue change B to BU eg FPU20BU-25M

* Indicates parts made to order on request and may be subject to MOQ and lead time



NEW

- **Available on request:**
  - longer lengths and bulk packaging
  - cut lengths and assemblies additional sizes
  - stainless steel fittings (grade 316)
  - alternative threads
  - 45° C type elbows 16 to 32mm

Important Note

- For LFH performance see page 102

How to read the fittings code

FSU10-M12-M

- conduit
- thread size
- fitting type

properties

- High mechanical strength
- Highly flexible
- IP rating: IP54 with standard fittings,
  IP65 with type C compression fittings
- **Extra low Fire Hazard UL94 V0, for LFH see page 102 (LFHU)**
- **High fatigue life and high abrasion resistant (FPU)**
- Halogen, sulphur and phosphorus free
- **Compliant to LUL Std 1-085 (LFHU) (Cert No. 297)**
- Temperature range: **-25˚C to +90˚C (LFHU)**
  -40˚C to +100˚C (FPU)
- Nickel plated brass fittings
- Vibration and shock tested to EN61373 Cat 2





F

fixed internal thread nickel plated brass

Two part fitting comprising shell and body with internal thread which can be used to couple two pieces of conduit together when used with a swivel fitting.

IP54

C

external thread nickel plated brass

Multipart compression fitting including elastomeric seal. Can be used for knockouts or threaded entries as fitting rotates until tightened.

IP65

C-S

external thread nickel plated brass

Multipart compression fitting including elastomeric seal. The external thread swivels about the main body even after tightening.

IP65

C90

external thread elbow nickel plated brass

Multipart 90˚ compression fitting including elastomeric seal.

IP65

coupler

nickel plated brass

Multi part compression coupler including elastomeric seals to join 2 conduits.

IP65

E

insert nickel plated brass

Single part, machined insert to cap end of conduit.













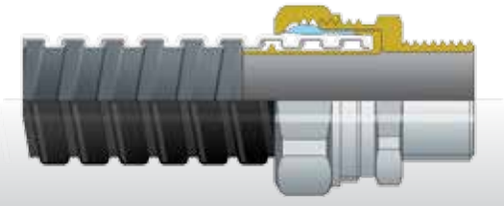
metric thread part number	metric thread part number	PG thread part number	NPT thread part number	metric thread part number	metric thread part number	part number	part number	nominal size (mm)
	FSU12-M16-C	FSU12-PG9-C		FSU12-M16-C-S	FSU12-M16-C90		FSU12-E	12
FSU16-M16-F	FSU16-M16-C	FSU16-PG11-C	FSU16-050-C	FSU16-M16-C-S	FSU16-M16-C90	FSU16-FSU16	FSU16-E	16
FSU16-M20-F	FSU16-M20-C	FSU16-PG13-C		FSU16-M20-C-S	FSU16-M20-C90		FSU16-E	16
FSU20-M20-F	FSU20-M20-C	FSU20-PG16-C	FSU20-050-C	FSU20-M20-C-S	FSU20-M20-C90	FSU20-FSU20	FSU20-E	20
FSU25-M25-F	FSU25-M25-C	FSU25-PG21-C	FSU25-075-C	FSU25-M25-C-S	FSU25-M25-C90	FSU25-FSU25	FSU25-E	25
FSU32-M32-F	FSU32-M32-C	FSU32-PG29-C	FSU32-100-C	FSU32-M32-C-S	FSU32-M32-C90	FSU32-FSU32	FSU32-E	32
FSU40-M40-F	FSU40-M40-C						FSU40-E	40
FSU50-M50-F	FSU50-M50-C						FSU50-E	50
FSU63-M63-F							FSU63-E	63
							FSU75-E	75

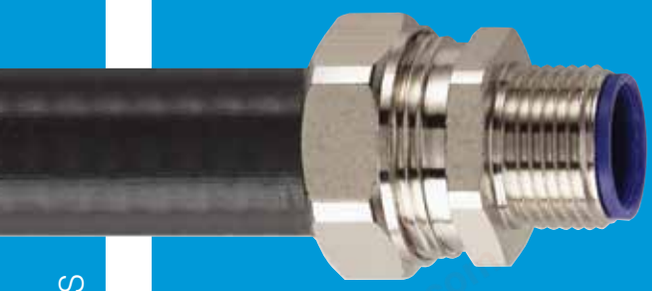
Standards

BS EN IEC 61386

Note: refer to conduit properties for applicable standards

Technical Drawing





LTP, LTPAS, LTPHC, LTPUL & LTPLFH

NEW · AS ANTI-STATIC · EXTRA LOW FIRE HAZARD ★★

galvanised steel,
plastic coated liquid tight

Conduit

LTP/ LTPAS



Construction: Galvanised steel, helically wound, flexible conduit with smooth oil resistant and high temperature pvc cover. Colour black. Grey or orange on request.

Typical Applications: Machine tools or outdoor installations where liquid tight is a requirement.

Special Characteristics: Oil resistant and self extinguishing.

LTPAS version as above but with anti-static performance coating (only available in black).

LTPHC



Construction: Galvanised steel, helically wound, flexible conduit with smooth thermoplastic elastomer (TPE) cover. Colour black.

Typical Applications: Machine tools or outdoor installations where low or high temperature rating is required. ie. food processing

Special Characteristics: Wide temperature range performance. Good flexibility at low and high temperatures.

LTPUL



Construction: Galvanised steel, helically wound, flexible steel conduit including copper bonding strip (up to 40mm) with smooth pvc cover. Colour black.

Typical Applications: As for LTP but where UL listing or CSA approval is required.

Special Characteristics: UL listed and CSA approved.

LTPLFH



Construction: Galvanised steel, helically wound, flexible conduit with smooth oil resistant Low Fire Hazard (LFH) cover. Colour black.

Typical Applications: Rail applications.

Special Characteristics: As per LTP but where Extra Low Fire Hazard performance is required.

Fittings

C

external thread
nickel plated brass

Multipart compression fitting including elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened.

IP66 IP67 IP68 IP69



#

nominal size (mm)	US trade size (")	outside dia (mm)	inside dia (mm)	LTP part number	reel length (m)	min inside bend radius (mm)	LTPAS part number	reel length (m)	min inside bend radius (mm)	LTPHC part number	reel length (m)	min inside bend radius (mm)	LTPUL part number	reel length (m)	min inside bend radius (mm)	LTPLFH part number	reel length (m)	min inside bend radius (mm)
10	¼	11.8	7.0	LTP10B+	50	35												
10																		
12	5/16	14.2	10.0	LTP12B	25, 50	40				LTPHC12B+	25	40						
16	⅜	17.8	12.6	LTP16B	10, 25, 50	45	LTPAS16B*	25	45	LTPHC16B	25	45	LTPUL16B	25	50	LTPLFH16B	25	60
16																		
20	½	21.1	16.0	LTP20B	10, 25, 50	65	LTPAS20B*	25	65	LTPHC20B	25	65	LTPUL20B	25	90	LTPLFH20B	10, 25	100
25	¾	26.4	21.0	LTP25B	10, 25, 50	100	LTPAS25B*	25	100	LTPHC25B	25	100	LTPUL25B	25	110	LTPLFH25B	10, 25	130
32	1	33.1	26.5	LTP32B	10, 25, 50	135	LTPAS32B*	25	135	LTPHC32B	25	135	LTPUL32B	10, 25	140	LTPLFH32B	10	180
40	1¼	41.8	35.4	LTP40B	10, 25	175	LTPAS40B*	10	175	LTPHC40B	10	175	LTPUL40B	15	180			
50	1½	47.9	40.4	LTP50B+	10, 25	230	LTPAS50B*+	10	230	LTPHC50B+	10	230	LTPUL50B+	15	230			
63	2	59.7	51.6	LTP63B+	10, 25	280	LTPAS63B*+	10	280	LTPHC63B*+	10	280	LTPUL63B+	15	280			

metric thread part number	for PG thread size	for NPT thread size
LTP10-M12-C	PG7	
LTP10-M16-C		
LTP12-M16-C	PG9	
LTP16-M16-C	PG11	
LTP16-M20-C	PG13	050 (½")
LTP20-M20-C	PG16	050 (½")
LTP25-M25-C	PG21	075 (¾")
LTP32-M32-C	PG29	100 (1")
LTP40-M40-C	PG36	125 (1¼")
LTP50-M50-C	PG42	150 (1½")
LTP63-M63-C	PG48	200 (2")

Ordering Notes

Note: Stainless steel fittings also available see page 67

When ordering PG or NPT please see below.

- Add reel length eg: LTP20B-25M for a 25m reel
- For LTP specify colour (B = Black, G = Grey)

* Indicates parts made to order on request and may be subject to MOQ and lead time

\+ Double interlock section

PG & NPT threads not supplied with insulated throats

- **Available on request:**
  - longer lengths and bulk packaging
  - cut lengths and assemblies
  - C-S with PG threads
  - other colours
  - internal thread fittings

Note: For PG or NPT thread types please insert thread size listed to obtain part number

LTP10-M12-C
conduit
thread size
fitting type

i.e LTP16-PG13-C
or
LTP16-050-C

properties

- High mechanical strength
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Smooth, wipe clean outer cover
- Cover does not wrinkle when bent
- Temperature range **-20˚C to +105˚C (LTP & LTPAS)**
  -60˚C to +150˚C (LTPHC)
  -15˚C to +75˚C (LTPUL)
  -25˚C to +90˚C (LTPLFH)
- Good flexibility
- UV resistant (black) and suitable for external use
- **LTPAS has Anti-Static performance coating to EN60079-0**
- **LTP has Lloyd's Register Type Approval**
- **LTPUL conduits are UL listed and CSA approved**
- Resistant to oils and greases
- **EXTRA Low Fire Hazard UL94 V0 for LFH see page 102**
- **Compliant to LUL Std 1-085 (LTPLFH) Cert No. 2020**
- Nickel plated brass or stainless steel fittings available see page 67
- Vibration and shock tested to EN61373 Cat 2
- **LTP UV resistant (black & grey) tested to UL (Report No. 13CA50836)**





C-S

swivel external thread nickel plated brass

Compression fitting for knockout or threaded entries.

Multipart compression fitting including elastomeric seal. The external thread swivels about the main body even after tightening.

IP66 IP67 IP68 IP69

C90

external thread nickel plated brass

90˚ multipart compression fitting including elastomeric seal. Can be used for knockout.

IP66 IP67 IP68 IP69

C45

external thread nickel plated brass

45˚ multipart compression fitting including elastomeric seal. Can be used for knockout.

IP66 IP67 IP68 IP69

coupler

nickel plated brass

Multi part compression coupler including elastomeric seals to join 2 conduits.

IP66 IP67 IP68 IP69

RSW NEW

Polyester Elastomer, Retained face sealing washers

Retained sealing washer to maintain IP rating of fitting to adjacent equipment.

E

insert nickel plated brass

Single part, machined insert to cap end of conduit.

FCC

plated steel P clip with pvc liner stainless steel P clips

P clip to support conduit. Also available in SS see page 87.















metric thread part number	metric thread part number	metric thread part number	part number	metric thread part number	part number	plated steel part number	nominal size (mm)
					LTP10-E	FCC10	10
					LTP10-E	FCC10	10
LTP12-M16-S	LTP12-M16-C90				LTP12-E	FCC12	12
LTP16-M16-S	LTP16-M16-C90				LTP16-E	FCC16	16
LTP16-M20-S	LTP16-M20-C90	LTP16-M20-C45	LTP16-LTP16	RSW16	LTP16-E	FCC16	16
LTP20-M20-S	LTP20-M20-C90	LTP20-M20-C45	LTP20-LTP20	RSW20	LTP20-E	FCC20	20
LTP25-M25-S	LTP25-M25-C90	LTP25-M25-C45	LTP25-LTP25	RSW25	LTP25-E	FCC25	25
LTP32-M32-S	LTP32-M32-C90	LTP32-M32-C45	LTP32-LTP32	RSW32	LTP32-E	FCC32	32
LTP40-M40-S	LTP40-M40-C90	LTP40-M40-C45		RSW40	LTP40-E	FCC40	40
LTP50-M50-S	LTP50-M50-C90	LTP50-M50-C45		RSW50	LTP50-E	FCC50	50
	LTP63-M63-C90	LTP63-M63-C45		RSW63*	LTP63-E	FCC63	63

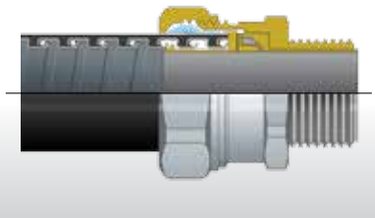
Standards

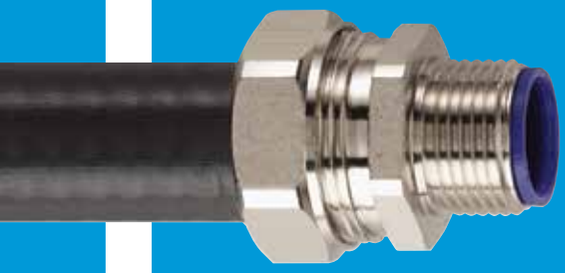
UNDERGROUND UL CSA RoHS Lloyd's Register TYPE APPROVAL

BS EN IEC 61386 CE REACh

Note: refer to conduit properties for applicable standards

Technical Drawing





Specialist liquid tight products

LTPSS system stainless steel pvc coated liquid tight

LTPPU/LTPPUAS** system galvanised steel, polyurethane coated liquid tight

NEW AS ANTI-STATIC**

Conduit

LTPSS



Construction: Stainless steel (316), helically wound, flexible conduit with oil resistant and high temperature pvc smooth cover. Colour black.

Typical Applications: Food processing machinery or outdoor applications where high corrosion resistance and liquid tight are a requirement.

Special Characteristics: Enhanced corrosion resistance performance.

LTPPU/ LTPPUAS



Construction: Galvanised steel, helically wound, flexible steel conduit with smooth halogen free polyurethane cover. Colour black (B) and blue (BU). (RAL 5015)

Typical Applications: Where low temperature performance, high abrasion, high fatigue life and liquid tight are a requirement.

Special Characteristics: Low temperature performance, high abrasion and high fatigue life.

LTPPUAS version as above but with anti-static performance coating.

LTBRDP



Construction: Galvanised steel, helically wound, flexible conduit with galvanised steel braid and oil resistant and high temperature pvc smooth cover. Colour black.

Typical Applications: Machinery or outdoor applications where high corrosion resistance and liquid tight are a requirement combined with EMC screening

Special Characteristics: Good flexibility and EMC screening.

LTBRDLFH



Construction: Galvanised steel, helically wound, flexible conduit with smooth oil resistant Low Fire Hazard (LFH) cover. Colour black.

Typical Applications: Installations where liquid tight is a requirement and where low fire hazard properties and EMC screening are required.

Special Characteristics: As per LTP but where Extra Low Fire Hazard performance is required.

Fittings

C

external thread nickel plated brass

Multipart compression fitting including elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened.

IP66 IP67 IP68 IP69



#

nominal size (mm)	US trade size (")	outside dia (mm)	inside dia (mm)	LTPSS part number	reel length (m)	min inside bend radius (mm)	LTPPU part number	reel length (m)	min inside bend radius (mm)	LTPPUAS part number	reel length (m)	min inside bend radius (mm)	LTBRDP part number	reel length (m)	min inside bend radius (mm)	LTBRDLFH part number	reel length (m)	min inside bend radius (mm)
10	¼	11.8	7.0				LTPPU10*	25	35									
10																		
12	5/16	14.2	10.0				LTPPU12*	25	40									
16	⅜	17.8	12.6	LTPSS16*	25	45	LTPPU16*	25	45	LTPPUAS16*	25	45						
16																		
20	½	21.1	16.0	LTPSS20	25	65	LTPPU20*	25	65	LTPPUAS20*	25	65	LTBRDP20B	25	65	LTBRDLFH20B	25	130
25	¾	26.4	21.0	LTPSS25	25	100	LTPPU25*	25	100	LTPPUAS25*	25	100	LTBRDP25B	25	100	LTBRDLFH25B	25	200
32	1	33.1	26.5	LTPSS32	10	135	LTPPU32*	25	135	LTPPUAS32*	25	135	LTBRDP32B	25	120	LTBRDLFH32B*	25	270
40	1¼	41.8	35.4	LTPSS40	10		LTPPU40*	10	175	LTPPUAS40*	10	175	LTBRDP40B	10	140			
50	1½	47.9	40.4	LTPSS50	10		LTPPU50*+	10	230	LTPPUAS50*+	10	230	LTBRDP50B+	10	180			
63	2	59.7	51.6	LTPSS63	10		LTPPU63*+	10	280	LTPPUAS63*+	10	280	LTBRDP63B+	10				

metric thread part number	for PG thread size	for NPT thread size
LTP10-M12-C	PG7	
LTP10-M16-C		
LTP12-M16-C	PG9	
LTP16-M16-C	PG11	
LTP16-M20-C	PG13	050 (½")
LTP20-M20-C	PG16	050 (½")
LTP25-M25-C	PG21	075 (¾")
LTP32-M32-C	PG29	100 (1")
LTP40-M40-C	PG36	125 (1¼")
LTP50-M50-C	PG42	150 (1½")
LTP63-M63-C	PG48	200 (2")

When ordering PG or NPT please see below.

Ordering Notes

- Add reel length eg: LTPSS20B-25M for a 25m reel
- Stainless Steel LTP fittings can be used with any of the conduits shown on page 26
- Add colour for LTPPU ie B=Black, BU=Blue eg. LTPPU20B is Black

* Indicates parts made to order on request and may be subject to MOQ and lead time

\+ Double interlock section

\# PG & NPT threads not supplied with insulated throats

- **Available on request:**
  - longer lengths and bulk packaging
  - cut lengths and assemblies
  - other colours
  - 45 degree stainless steel elbows
  - full copies of independent test reports confirming screening effectiveness

Note: For PG or NPT thread types please insert thread size listed to obtain part number

LTP16-M20-C i.e LTP16-PG13-C or LTP16-050-C

conduit
thread size
fitting type

LTBRDP system
galv steel, galv steel braid, pvc coated liquid tight

LTBRDLFH system
galv steel, galv steel braid, LFH coated liquid tight

properties

- High mechanical strength
- Good flexibility
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Smooth, wipe clean outer cover
- Cover does not wrinkle when bent
- Resistant to oils & greases
- Temperature range:
  - **-20˚C to +105˚C (LTPSS & LTBRDP)**
  - **-20˚C to +90˚C (LTBRDLFH)**
  - **-40˚C to +100˚C (LTPPU & LTPPUAS)**
- UV resistant and suitable for external use
- **High abrasion, high fatigue life (LTPPU)**
- Vibration and shock tested to EN61373 Cat 2
- **Provides EMC screening (LTBRDP & LTBRDLFH)**
- **Compliant to LUL Std 1-085 (LTBRDLFH) (Cert No. 658)**
- **LTPPUAS has Anti-Static performance coating to EN60079-0**

C-SS

external thread stainless steel

Multipart compression fitting with Stainless Steel (316) body and nut and nickel plated brass insert, including elastomeric seal.
Can be used for knockout or threaded entries as fitting rotates until tightened.

IP66 IP67 IP68 IP69

C-90-SS

external thread stainless steel (316)

90˚ multipart compression fitting with Stainless Steel (316) body and nut and nickel plated brass insert, including elastomeric seal. Can be used for knockout.

IP66 IP67 IP68 IP69

LOCKNUTS

stainless steel (316) locknuts

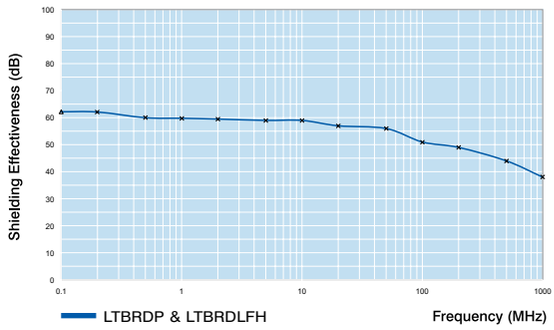
Hexagonal locknut to secure fitting.

FCC-SS

stainless steel (316) P clips

P clip to support conduit.

EMC











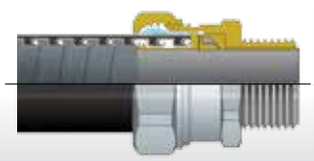
metric thread part number	metric thread part number	part number	part number	nominal size (mm)
				10
				10
				12
LTP16-M16-CSS		SS-M16	FCC16-SS	16
LTP16-M20-CSS	LTP16-M20-CSS90	SS-M20	FCC16-SS	16
LTP20-M20-CSS	LTP20-M20-CSS90	SS-M20	FCC20-SS	20
LTP25-M25-CSS	LTP25-M25-CSS90	SS-M25	FCC25-SS	25
LTP32-M32-CSS	LTP32-M32-CSS90	SS-M32	FCC32-SS	32
LTP40-M40-CSS		SS-M40	FCC40-SS	40
LTP50-M50-CSS		SS-M50	FCC50-SS*	50
				63

Standards

BS EN IEC 61386

Note: refer to conduit properties for applicable standards

Technical Drawing



LTPPU, LTPPUAS



LTBRDP & LTBRDLFH



Hazardous area liquid tight conduit solutions
EXD Conduit Glands

NEW

Flameproof EXD Barrier gland

properties

- IP Rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Material: Nickel Plated Brass or Stainless Steel (316)
- Suitable for threaded entries
- Operating Temperature of gland -60˚C to +85˚C
- High mechanical strength
- Can be used with individual cores or oversheathed cable
- Can be used in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous areas when used with Flexicon's Liquid Tight range of flexible conduits
- ATEX and IECEx Ex d (Flameproof)
- ATEX and IECEx Ex e (Increased Safety)
- ATEX and IECEx Ex ta (Dust Ignition Protection)
- LUL Cert No. 2624

Fittings

Standards

CE 0518 Ex

PG BS EN IEC 61386

IEC IECEx

RoHS ✓

REACh ✓

Hazardous Area Approvals

Group I	**ATEX APPROVAL to EN60079-0 2009**	**Sira Certificate no:**	**Sira 10ATEX1172X**
	Ex d Flameproof	Ex d I Mb	EN 60079-1 2007
	Ex e Increased Safety	Ex e I Mb	EN 60079-7 2007
	IECEx APPROVAL to IEC60079-0 2007	**Sira Certificate no:**	**IECEx SIR 10.0094X**
	Ex d Flameproof	Ex d I Mb	IEC 60079-1 2007
	Ex e Increased Safety	Ex e I Mb	IEC 60079-7 2006-7
Group II	**ATEX APPROVAL to EN60079-0 2009**	**Sira Certificate no:**	**Sira 10ATEX1172X**
	Ex d Flameproof	Ex d II C Gb	EN 60079-1 2007
	Ex e Increased Safety	Ex e II C Gb	EN 60079-7 2007
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X	IEC 60079-31 2008
	IECEx APPROVAL to IEC60079-0 2007	**Sira Certificate no:**	**IECEx SIR 10.0094X**
	Ex d Flameproof	Ex d II C Gb	IEC 60079-1 2007
	Ex e Increased Safety	Ex e II C Gb	IEC 60079-7 2006-7
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X	IEC 60079-31 2008
	GOST APPROVAL no.	**POCC GB.HO06.B00207**	

LTP - EXD

Construction: Nickel Plated Brass fitting with a elastomeric seal and two part epoxy resin pack. Supplied in boxes of one, complete with instructions and gloves.

Typical Applications: Flameproof barrier gland offering a high specification, high quality solution for Ex d, Ex e and Ex ta applications.
IP rating: IP66 + IP67 + IP68 (5 bar) + IP69



IP66 IP67 IP68 IP69

To fit nominal size (mm)	metric thread part number	NPT thread part number
16	LTP16-M20-EXD	LTP16-050-EXD
20	LTP20-M20-EXD	LTP20-050-EXD
25	LTP25-M25-EXD	LTP25-075-EXD
32	LTP32-M32-EXD	LTP32-100-EXD
40	LTP40-M40-EXD	LTP40-125-EXD
50	LTP50-M50-EXD	LTP50-150-EXD
63	LTP63-M63-EXD	LTP63-200-EXD

LTP - EXD - SS

NEW

Construction: Stainless steel (grade 316) fitting with a elastomeric seal and two part epoxy resin pack. Supplied in boxes of one, complete with instructions and gloves.

Typical Applications: Flameproof barrier gland offering a high specification, high quality solution for Ex d, Ex e and Ex ta applications where additional corrosion resistance is required.
IP rating: IP66 + IP67 + IP68 (5 bar) + IP69



IP66 IP67 IP68 IP69

To fit nominal size (mm)	metric thread part number	NPT thread part number
16		
20	LTP20-M20-EXD-SS	LTP20-050-EXD-SS
25	LTP25-M25-EXD-SS	LTP25-075-EXD-SS
32	LTP32-M32-EXD-SS	LTP32-100-EXD-SS
40	LTP40-M40-EXD-SS	LTP40-125-EXD-SS
50	LTP50-M50-EXD-SS	LTP50-150-EXD-SS
63	LTP63-M63-EXD-SS	LTP63-200-EXD-SS

Used with the following conduits:- as featured on pages 64 & 66



LTP / LTPAS — NEW, AS ANTI-STATIC

LTPHC

LTPLFH — NEW, EXTRA LOW FIRE HAZARD **

LTPPU / LTPPUAS — NEW, AS ANTI-STATIC, NEW



properties

- IP Rating: IP66 + IP67 + IP68 (5 bar)
- Material: Nickel Plated Brass
- Suitable for threaded entries
- Operating Temperature of gland -60˚C to +85˚C
- High mechanical strength
- Can be used with individual cores or oversheathed cable
- Can be used in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous areas when used with Flexicon's Liquid Tight range of flexible conduits
- ATEX and IECEx Ex d (Flameproof)
- ATEX and IECEx Ex e (Increased Safety)
- ATEX and IECEx Ex ta (Dust Ignition Protection)





Hazardous Area Approvals

ATEX APPROVAL to EN60079-0 2006	**Sira Certificate no: SIRA 13ATEX1072X**
Ex d Flameproof	Ex d II C Gb
Ex e Increased Safety	Ex e II C Gb
Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X
IECEx APPROVAL to IEC60079-0 2004	**Sira Certificate no: IEC Ex SIR13.0027X**
Ex d Flameproof	Ex d II C Gb
Ex e Increased Safety	Ex e II C Gb
Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X
GOST APPROVAL no.	**POCC GB.HO06.B00207**



LTP - EXD - 90

NEW

Construction: 90° elbow, Nickel Plated Brass fitting with a elastomeric seal and two part epoxy resin pack. Supplied in boxes of one complete with instructions and gloves.

Typical Applications: Flameproof barrier gland ideal for use when there is restricted space to terminate into an enclosure / equipment.
IP rating: IP66 + IP67 + IP68 (5 bar)



IP66 IP67 IP68

To fit nominal size (mm)	metric thread part number
16	LTP16-M20-EXD-90
20	LTP20-M20-EXD-90
25	LTP25-M25-EXD-90
32	LTP32-M32-EXD-90
40	LTP40-M40-EXD-90
50	LTP50-M50-EXD-90
63	LTP63-M63-EXD-90

LTP - EXD - 45

NEW

Construction: 45° elbow, nickel plated brass fitting with a elastomeric seal and two part epoxy resin pack. Supplied in boxes of one complete with instructions and gloves.

Typical Applications: Flameproof barrier gland ideal for use when there is restricted space to terminate into an enclosure / equipment. IP rating: IP66 + IP67 + IP68 (5 bar)



IP66 IP67 IP68

To fit nominal size (mm)	metric thread part number
16	LTP16-M20-EXD-45
20	LTP20-M20-EXD-45
25	LTP25-M25-EXD-45
32	LTP32-M32-EXD-45
40	LTP40-M40-EXD-45
50	LTP50-M50-EXD-45
63	LTP63-M63-EXD-45



LTPSS



LTPUL



LTBRDP

NEW ENHANCED EMC SCREEN ★★



LTBRDLFH

NEW ENHANCED EMC SCREEN ★★ EXTRA LOW FIRE HAZARD ★★



Hazardous area liquid tight conduit solutions
EXD Braided Conduit Glands

NEW

AS ANTI-STATIC

properties

- IP Rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Material: Nickel Plated Brass
- Suitable for threaded entries
- Operating Temperature of gland -60˚C to +85˚C
- High mechanical strength
- Can be used with individual cores or oversheathed cable
- Used with overbraided conduit system LTPBRD to achieve EMC screening
- Can be used in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous areas when used with Flexicon's Liquid Tight range of flexible conduits
- ATEX and IECEx Ex d (Flameproof)
- ATEX and IECEx Ex e (Increased Safety)
- ATEX and IECEx Ex ta (Dust Ignition Protection)

Fittings | Accessories

Hazardous Area Approvals

Group I	**ATEX APPROVAL to EN60079-0 2009**	**Sira Certificate no:**	**Sira 10ATEX1172X**
	Ex d Flameproof	Ex d I Mb	EN 60079-1 2007
	Ex e Increased Safety	Ex e I Mb	EN 60079-7 2007
	IECEx APPROVAL to IEC60079-0 2007	**Sira Certificate no:**	**IECEx SIR 10.0094X**
	Ex d Flameproof	Ex d I Mb	IEC 60079-1 2007
	Ex e Increased Safety	Ex e I Mb	IEC 60079-7 2006-7

Group II	**ATEX APPROVAL to EN60079-0 2009**	**Sira Certificate no:**	**Sira 10ATEX1172X**
	Ex d Flameproof	Ex d II C Gb	EN 60079-1 2007
	Ex e Increased Safety	Ex e II C Gb	EN 60079-7 2007
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X	IEC 60079-31 2008
	IECEx APPROVAL to IEC60079-0 2007	**Sira Certificate no:**	**IECEx SIR 10.0094X**
	Ex d Flameproof	Ex d II C Gb	IEC 60079-1 2007
	Ex e Increased Safety	Ex e II C Gb	IEC 60079-7 2006-7
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X	IEC 60079-31 2008
	GOST APPROVAL no.	**POCC GB.HO06.B00207**	

LTPB - EXD

NEW

Construction: Nickel Plated Brass fitting with a elastomeric seal and two part epoxy resin pack. Supplied in boxes of one, complete with instructions and gloves.

Typical Applications: Flameproof barrier gland offering a high specification, high quality solution for Ex d, Ex e and Ex ta applications. For use with external braided conduit systems where high mechanical protection and / or emc screening is required. IP rating: IP66 + IP67 + IP68 (5 bar) + IP69



IP66 IP67 IP68 IP69

To fit nominal size (mm)	metric thread part number	NPT thread part number
20	LTPB20-M20-EXD	LTPB20-050-EXD
25	LTPB25-M25-EXD	LTPB25-075-EXD
32	LTPB32-M32-EXD	LTPB32-100-EXD
40	LTPB40-M40-EXD	LTPB40-125-EXD
50	LTPB50-M50-EXD	LTPB50-150-EXD

Please note that some of the above products are made to order on request and may be subject to MOQ and lead time. Contact us for further details.

With a comprehensive range of EXD accessories we can offer customers choice when it comes to specifying hazardous area approved equipment. Our products are manufactured in the UK and have been tested to the latest ATEX & IECEx directives and standards. The approvals are marked on the body of the product allowing visibility once installed.



See page 72 for more information.

Used with



LTPBRD

STANDARD EMC SCREEN

AS ANTI-STATIC

See page 80 for details.

Standards

BS EN IEC 61386

IEC IECEx

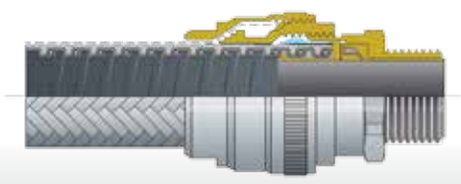
CE 0518

Ex

PG

RoHS REACh

Technical Drawing



LTPB - EXD

NEW

Hazardous area liquid tight conduit solutions
EXE - Increased Safety and Dust Ignition Proof

properties

- IP Rating: IP66 for EX e and EX t applications
- IP Rating: IP67 + IP68 (5 bar) + IP69 for industrial applications
- Material: Nickel Plated Brass
- Suitable for knockouts or threaded entries
- Operating Temperature of fitting -20˚C to +85˚C for EX e and EX t applications
- High mechanical strength and electrical continuity
- Operating Temperature of fitting -50°C to +135°C for industrial applications
- Can be used in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous areas when used with Flexicon's Liquid Tight range of flexible conduits
- ATEX and IECEx Ex e (Increased Safety)
- ATEX and IECEx Ex t (Dust Ignition Protection)
- Vibration and shock resistant to EN61373 Cat 2

Hazardous Area Approvals

Group II			
	ATEX APPROVAL to EN60079-0 2009	**Intertek Certificate no:**	**ITS 14ATEX379584**
	Ex e Increased Safety	Ex e II Gb	EN 60079-7 2007
	Ex tb Dust Ignition Proof	Ex tb III C DA IP6X	EN 60079-31 2009
	IECEx APPROVAL to IEC80079-0 2007	**Intertek Certificate no:**	**IECEx ITS 14.005U**
	Ex e Increased Safety	Ex e II Gb	IEC 60079-7 2006
	Ex tb Dust Ignition Proof	Ex tb III C DA IP6X	IEC 60079-31 2008



Offering Ex e (Increased Safety) and Ex t (Dust Ignition Protection) performance with any Liquid Tight Conduits

LTP - EXE

NEW

external thread
nickel plated brass

Multipart compression fitting including elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened.

IP66



LTP - EXE - 90

NEW

external thread
nickel plated brass

90˚ multipart compression fitting including elastomeric seal. Can be used for knockout.

IP66



LTP - EXE - 45

NEW

external thread
nickel plated brass

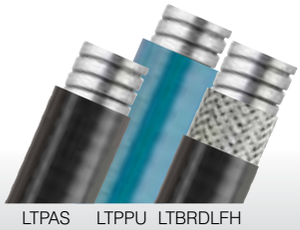
45˚ multipart compression fitting including elastomeric seal. Can be used for knockout.

IP66



To fit nominal size (mm)	metric thread part number	PG thread	NPT thread part number	metric thread part number	metric thread part number
16	LTP16-M16-EXE	LTP16-PG11-EXE	LTP16-050-EXE (½")	LTP16-M16-EXE-90	LTP16-M16-EXE-45
16	LTP16-M20-EXE	LTP16-PG13-EXE		LTP16-M20-EXE-90	LTP16-M20-EXE-45
20	LTP20-M20-EXE	LTP20-PG16-EXE	LTP20-050-EXE (½")	LTP20-M20-EXE-90	LTP20-M20-EXE-45
25	LTP25-M40-EXE	LTP25-PG21-EXE	LTP25-075-EXE (¾")	LTP25-M25-EXE-90	LTP25-M25-EXE-45
32	LTP32-M32-EXE	LTP32-PG29-EXE	LTP32-100-EXE (1")	LTP32-M32-EXE-90	LTP32-M32-EXE-45
40	LTP40-M40-EXE	LTP40-PG36-EXE	LTP40-125-EXE (1¼")	LTP40-M40-EXE-90	LTP40-M40-EXE-45
50	LTP50-M50-EXE	LTP50-PG42-EXE	LTP50-150-EXE (1½")	LTP50-M50-EXE-90	LTP50-M50-EXE-45
63	LTP63-M63-EXE	LTP63-PG48-EXE	LTP63-200-EXE (2")	LTP63-M63-EXE-90	LTP63-M63-EXE-45

Used with



LTPAS LTPPU LTBRDLFH

or any of the LTP conduit types, see page 64

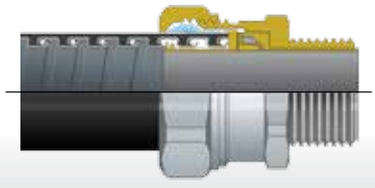
Standards

BS EN IEC 61386

CE 0359

RoHS REACh

Technical Drawing



LTP - EXE

chanhvinh.com



Flexicon EXD Accessories Range

NEW

properties

- ATEX Certification Detail - SIRA01ATEX1284U, SIRA02ATEX1003X
  IEC Ex Certification Detail: IEC Ex SIR07.0052X
- Continuous Operating Temperature: -60°C to +200°C
- Ingress Protection Rating: Up to IP68 when fitted with a suitable Sealing Washer
- Materials: Nickel Plated Brass
- Optional Accessories: Locknut, Serrated Washer, Earth Tag, Sealing Washer. See Page 86

Accessories

Our range of thread converters are designed for both Industrial and Hazardous Area applications with Ex “d”, Ex “e” and Ex “ta” component approval.

Available with male to female connection threads these products can be used to increase, reduce or convert the thread type.

Technical Data	
Design Specification	EN 50262:1989, BS 6121:Part 1:1989
ATEX Code of Protection Category	ATEX Ⓔx II 2 GD Ex d IIC & Ex e II - Component & Equipment, Zone 1, Zone 2, Zone 21, & Zone 22 - Gas Groups IIA, IIB, IIC, ATEX IM2 Ex d I, Ex e I
ATEX Compliance Standards	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 50281-1-1:1998
IEC Ex Code of Protection Category	Ex d I, Ex e I, Ex d IIC, Ex e II, Ex tD A21 IP6X
IEC Ex Compliance Standards	IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2006-07, IEC 61241-0:2004, IEC 61241-1:2004

EXD Thread Converters

NEW



Our thread converters are Nickel Plated Brass as standard.

Internal **Metric** to External **Metric**

	Female Thread - Internal					
Male Thread - External	M16	M20	M25	M32	M40	M50
M16		B-M16-M20-EXD				
M20	B-M20-M16-EXD		B-M20-M25-EXD			
M25		B-M25-M20-EXD		B-M25-M32-EXD		
M32			B-M32-M25-EXD		B-M32-M40-EXD	
M40				B-M40-M32-EXD		
M50				B-M50-M32-EXD	B-M50-M40-EXD	
M63					B-M63-M40-EXD	B-M63-M50-EXD

Internal **Metric** to External **NPT**

	Female Thread - Internal					
Male Thread - External	M16	M20	M25	M32	M40	M50
½″		B-050-M20-EXD				
¾″		B-075-M20-EXD	B-075-M25-EXD			
1″				B-100-M32-EXD		

To obtain Adaptor & Reducer nominal dimensions, follow the steps below:-
Step 1 - Select male thread by consulting the left hand column of the table.
Step 2 - Select the female thread size by consulting column headings at the top of tables, and by cross referencing this with the selection in step 1.
Please note that the data in the tables above includes Adaptors and Reducers that are certified for use in Hazardous Areas.

Designed to provide a permanent or temporary means of blanking unused cable entry holes in Flameproof enclosures enabling the equipment to be safely deployed in the Hazardous Area. Always inserted from the outside of the enclosure, we have a range of stopping plug options depending on the required installation method.

Allen Key

The Allen key stopping plugs can be installed or removed using an allen key. We offer standard stopping plugs or Dome Head type allen key stopping plugs.

Technical Data - Standard & Dome Head	
Design Specification	BS 6121:Part 1:1989, EN 50262:1999
ATEX Code of Protection Category	ATEX Ⓔx IM2 Ex d I, Ex e I; ATEX Ⓔx II 2 Ex d IIC, Ex e II
ATEX Compliance Standards	EN 60079-0, EN 60079-7, EN 61241-0, EN 61241-1
IEC Ex Code of Protection Category	Ex d I, Ex e I, Ex d IIC, Ex e II, Ex tD A21 IP6X
IEC Ex Compliance Standards	IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2006-07, IEC 61241-0:2004, IEC 61241-1:2004

Hex Head

The Hex head stopping plugs can be installed or removed with a standard open ended or ring type spanner or wrench.

Technical Data - Hex Head	
ATEX Code of Protection Category	ATEX Ⓔx II 2 GD Ex d IIC & Ex e II - Component & Equipment, Zone 1, Zone 2, Zone 21, & Zone 22 - Gas Groups IIA, IIB, IIC, ATEX Ⓔx IM2 Ex d I, Ex e I
ATEX Compliance Standards	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 50281-1-1:1998
IEC Ex Code of Protection Category	Ex d I / Ex e I / Ex d IIC / Ex e II, Ex tD A21 IP6X
IEC Ex Compliance Standards	IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2006-07, IEC 61241-0:2004, IEC 61241-1:2004

EXD Stopping Plugs

NEW



Our stopping plugs are Nickel Plated Brass as standard.







Size Range	Standard	Dome Head	Hex Head
M16	B-M16-SP-EXD	B-M16-DSP-EXD	B-M16-HSP-EXD
M20	B-M20-SP-EXD	B-M20-DSP-EXD	B-M20-HSP-EXD
M25	B-M25-SP-EXD	B-M25-DSP-EXD	B-M25-HSP-EXD
M32	B-M32-SP-EXD	B-M32-DSP-EXD	B-M32-HSP-EXD
M40	B-M40-SP-EXD	B-M40-DSP-EXD	B-M40-HSP-EXD
M50	B-M50-SP-EXD	B-M50-DSP-EXD	B-M50-HSP-EXD
M63	B-M63-SP-EXD	B-M63-DSP-EXD	B-M63-HSP-EXD



FL system
galvanised steel pliable

FLP system
galvanised steel
pvc coated, pliable

SUPER EMC SCREEN ★★★ | INHERENT LOW FIRE HAZARD ★★★ | SUPER EMC SCREEN ★★★

Conduit | Fittings | Conduit | Fittings

FL

Construction: Corrugated galvanised steel with kraft paper lining. Colour, zinc self colour.

Typical Applications: Any installation where there is no movement.

- High compression strength
- Provides EMC screening
- IP rating: IP40,
- Can be formed into shape requiring fewer clips
- Temperature range -40˚C to +120˚C
- Nickel plated brass fittings
- Inherently low fire hazard

C Type

external thread nickel plated brass

Multipart compression fitting including elastomeric compression seal. Can be used for knockout or threaded entries as fitting rotates until tightened. Provides EMC screening.

IP40

FLP

Construction: Corrugated galvanised steel with kraft paper lining and smooth pvc outer cover. Colour black.

Typical Applications: Any installation where there is no movement and a high IP rating is required.

- High compression strength
- Pull off strength: Type C 50kg (20mm)
- Provides EMC screening
- IP rating: IP66 + IP67 for Type C
- Smooth, wipe clean outer cover
- Does not wrinkle when bent
- Can be formed into shape requiring fewer clips
- Temperature range -15˚C to +70˚C
- Lloyd's Register Type Approved

C Type

external thread nickel plated brass

Multipart compression fitting including serrated elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened. Provides EMC screening once outer plastic sheath is trimmed from end of conduit (see diagram on page 99).

IP66 IP67





nominal size (mm)	FL part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number
16						
20	FL20	25	19.0	14.6	35	FL20-M20-C
25	FL25	25	25.1	20.4	45	FL25-M25-C
32						
40						
50						

nominal size (mm)	FLP part number	reel length (m)	min inside bend radius (mm)	outside dia (mm)	inside dia (mm)	metric thread part number
16	FLP16B	25	35	17.8	11.6	FLP16-M16-C
20	FLP20B	10,25,50	35	20.9	14.6	FLP20-M20-C
25	FLP25B	10,25,50	45	27.3	20.4	FLP25-M25-C
32	FLP32B	10,25	55	34.0	26.7	FLP32-M32-C
40	FLP40B*	10, 25	70	40.4	32.8	(use C-HS fitting)
50	FLP50B*	10, 20	110	53.1	45.3	(use C-HS fitting)

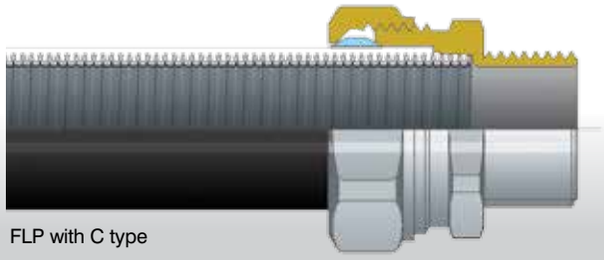
Standards

Lloyd's Register TYPE APPROVAL | UNDERGROUND | CE | RoHS | REACh

BS EN IEC 61386

Note: refer to conduit properties for applicable standards

Technical Drawing



FLP with C type

Flexicon Ultrascreen™ NEW

LFHP system

galvanised steel extra LFH coated, pliable

SUPER EMC SCREEN ★★★ EXTRA LOW FIRE HAZARD ★★





Conduit

LFHP



Construction: Corrugated galvanised steel with kraft paper lining and smooth extra LFH outer cover. Colour black.

Typical Applications: Any installation where there is no movement and a high IP rating is required.

- Pull off strength: Type C-HS 100kg (20mm)
- Extra low fire hazard, oil resistant and UV resistant
- Vibration and shock tested to EN61373 Cat 2
- High compression strength 570kg/100mm
- Provides EMC screening
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Can be formed into shape requiring fewer clips
- Temperature range -25˚C to +90˚C
- Smooth, wipe clean outer cover
- Does not wrinkle when bent
- Lloyd's Register Type Approved
- LUL (Cert No. 297)
- NCAGE No. U5256

Fittings

C-HS

external thread brass - high specification

Multipart compression fitting including serrated elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened. Provides EMC screening once outer plastic sheath is trimmed from end of conduit (see diagram on page 99).

IP66 IP67 IP68 IP69

F-HS

internal thread brass - high specification

Multipart compression fitting including serrated elastomeric seal. Provides EMC screening once outer plastic sheath is trimmed from end of conduit (see diagram on page 99).

IP66 IP67 IP68 IP69



nominal size (mm)	LFHP part number	reel length (m)	min inside bend radius (mm)	outside dia (mm)	inside dia (mm)	metric thread part number	metric thread part number
16	LFHP16B	25	40	17.8	11.6	FLP16-M16-C-HS	FLP16-M16-F-HS
20	LFHP20B	25	40	20.9	14.6	FLP20-M20-C-HS	FLP20-M20-F-HS
25	LFHP25B	25	55	27.3	20.4	FLP25-M25-C-HS	FLP25-M25-F-HS
32	LFHP32B	25	65	34.0	26.7	FLP32-M32-C-HS	FLP32-M32-F-HS
40	LFHP40B*	25	85	40.4	32.8	FLP40-M40-C-HS*	FLP40-M40-F-HS*
50	LFHP50B*	25	130	53.1	45.3	FLP50-M50-C-HS*	FLP50-M50-F-HS*

Ordering Notes

- Add reel length eg: FLP20B-25M for 25m reel
- **Available on request:**
  - longer lengths
  - cut lengths and assemblies
  - additional sizes
  - full copies of independent test report confirming screening effectiveness

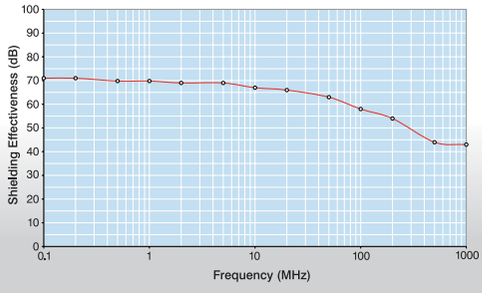
How to read the fittings code

FLP20-M20-C

- conduit
- thread size
- fitting type

* Indicates parts made to order on request and may be subject to MOQ and lead time

EMC Screening Performance





FSB system galvanised steel core, pvc coated, galvanised steel overbraid

STANDARD EMC SCREEN

LFHUBRD system galvanised steel core, extra LFH coated, stainless steel overbraid

STANDARD EMC SCREEN

EXTRA LOW FIRE HAZARD

Conduit

FSB



Construction: Galvanised steel, helically wound, flexible conduit with pvc coating and galvanised steel overbraid. Colour zinc, self colour.

Typical Applications: Industrial environments where higher abrasion resistance or screening are required.

LFHUBRD



Construction: Galvanised steel, helically wound, flexible conduit with extra LFH coating and stainless steel (316) overbraid.

Typical Applications: Metro rail stations where LFH, EMC screening and anti-vandal properties are required. Compliant to LUL std 1-085 (Cert No.297).

Fittings

M

fixed external thread nickel plated brass

Two part fitting comprising of shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

IP54

S

swivel external thread nickel plated brass

Two part fitting comprising of shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

IP54





nominal size (mm)	FSB part number	LFHUBRD part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number	PG thread part number	metric thread part number	PG thread part number
12	FSB12		25	15.2	10.2	30	FSB12-M16-M	FSB12-PG9-M	FSB12-M16-S	FSB12-PG9-S
16	FSB16		25	18.2	13.0	40	FSB16-M16-M	FSB16-PG11-M	FSB16-M16-S	FSB16-PG11-S
16							FSB16-M20-M		FSB16-M20-S	
20	FSB20	LFHUBRD20	25	22.7	16.9	45	FSB20-M20-M	FSB20-PG16-M	FSB20-M20-S	FSB20-PG16-S
25	FSB25	LFHUBRD25	25	27.2	21.1	55	FSB25-M25-M	FSB25-PG21-M	FSB25-M25-S	FSB25-PG21-S
32	FSB32	LFHUBRD32	25	35.2	28.1	70	FSB32-M32-M	FSB32-PG29-M	FSB32-M32-S	FSB32-PG29-S
40	FSB40	LFHUBRD40	10	45.7	37.6	80	FSB40-M40-M	FSB40-PG36-M	FSB40-M40-S	FSB40-PG36-S
50	FSB50		10	57.7	48.4	90	FSB50-M50-M	FSB50-PG48-M	FSB50-M50-S	FSB50-PG42-S

Ordering Notes

- Add reel length eg: FSB20-25M for 25m reel
- **Available on request:**
- longer lengths, cut lengths and assemblies
- additional sizes, stainless steel overbraided
- PG threads, female threaded fittings
- full copies of independent test report confirming screening effectiveness

How to read the fittings code

FSB20-M20-M

- conduit
- thread size
- fitting type

Standards

Lloyd's Register TYPE APPROVAL

UNDERGROUND

CE

RoHS

BS EN IEC 61386

REACh

Note: refer to conduit properties for applicable standards

properties

- High mechanical strength
- Tensile strength **with standard fittings 120kg for 20mm size**
- Tensile strength **with C type fittings 300kg for 20mm size**
- Highly flexible
- IP rating: **IP54 for standard fittings, IP65 for C type fittings**
- High abrasion resistance
- Resists hot metal swarf and splashes
- Provides EMC screening
- Temperature range
  -15˚C to +70˚C (FSB)
  -20˚C to +90˚C (LFHUBRD)
- **LFHUBRD is extra low fire hazard**
- **Compliant to LUL Std 1-085 (LFHUBRD) (Cert No. 297)**
- Nickel plated brass fittings
- Vibration and shock tested to EN61373 Cat 2





P

plain hole connector nickel plated brass

Two part fitting comprising of shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.

IP54

C

fixed external thread nickel plated brass

Multipart compression fitting including elastomeric seal. Can be used for knockouts. Braid is locked between inner and outer compression nuts.

IP65

C-S

swivel external thread nickel plated brass

Multipart compression fitting including elastomeric seal can be used for knockouts or threaded entries. Braid is locked between inner and outer compression nuts.

IP65

C90

external thread elbow nickel plated brass

Multipart 90˚ compression fitting including elastomeric seal. Braid is locked between inner and outer compression nuts.

IP65



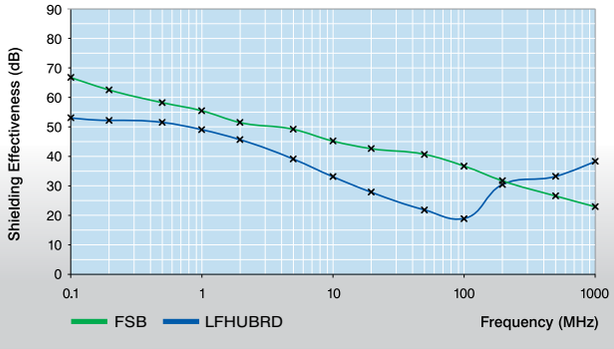




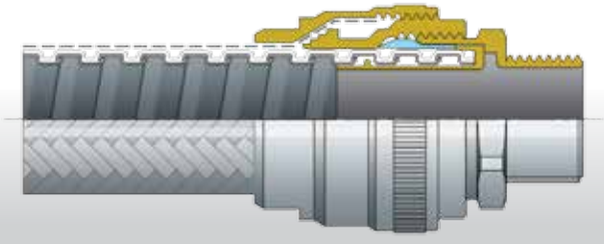


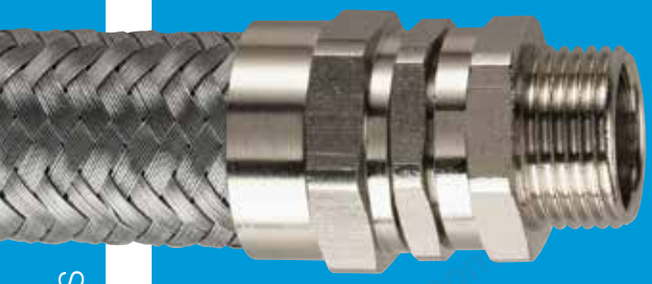
hole size (mm)	part number	P metric thread part number	C PG thread part number	C-S metric thread part number	C90 metric thread part number	nominal size (mm)
12	FSB12-P					12
16	FSB16-P	FSB16-M16-C	FSB16-PG11-C	FSB16-M16-C-S	FSB16-M16-C90	16
		FSB16-M20-C	FSB16-PG13-C	FSB16-M20-C-S	FSB16-M20-C90	16
20	FSB20-P	FSB20-M20-C	FSB20-PG16-C	FSB20-M20-C-S	FSB20-M20-C90	20
25	FSB25-P	FSB25-M25-C	FSB25-PG21-C	FSB25-M25-C-S	FSB25-M25-C90	25
32	FSB32-P	FSB32-M32-C	FSB32-PG29-C	FSB32-M32-C-S	FSB32-M32-C90	32
40	FSB40-P					40
50	FSB50-P					50

EMC Screening Performance



Technical Drawing





FB system
galvanised steel core
galvanised steel overbraid

FUSSB system
galvanised steel core
stainless steel overbraid

STANDARD EMC SCREEN

INHERENT LOW FIRE HAZARD ★★★

Conduit

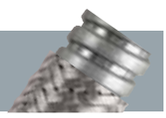
FB



Construction: Galvanised steel, helically wound conduit with galvanised steel overbraid. Colour zinc, self colour.

Typical Applications: Industrial environments and high temperatures.

FUSSB



Construction: Galvanised steel, helically wound, flexible conduit with stainless steel (316) overbraid.

Typical Applications: Underground stations where LFH properties and EMC screening are required.

Fittings

M

fixed external thread nickel plated brass

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

IP40

S

swivel external thread nickel plated brass

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

IP40





nominal size (mm)	FB part number	FUSSB part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number	PG thread part number	metric thread part number	PG thread part number
12	FB12	FUSSB12*	25	14.0	10.2	30	FB12-M16-M	FB12-PG9-M	FB12-M16-S	FB12-PG9-S
16	FB16	FUSSB16*	25	17.5	13.0	40	FB16-M16-M	FB16-PG11-M	FB16-M16-S	FB16-PG11-S
16							FB16-M20-M		FB16-M20-S	
20	FB20	FUSSB20	25	21.5	16.9	45	FB20-M20-M	FB20-PG16-M	FB20-M20-S	FB20-PG16-S
25	FB25	FUSSB25	25	26.0	21.1	55	FB25-M25-M	FB25-PG21-M	FB25-M25-S	FB25-PG21-S
32	FB32	FUSSB32	25	34.0	28.1	70	FB32-M32-M	FB32-PG29-M	FB32-M32-S	FB32-PG29-S
40	FB40	FUSSB40*	10	43.5	37.6	80	FB40-M40-M	FB40-PG36-M	FB40-M40-S	FB40-PG36-S
50	FB50	FUSSB50*	10	54.5	48.4	90	FB50-M50-M	FB50-PG48-M	FB50-M50-S	FB50-PG42-S

Ordering Notes

- Add reel length eg: FB20-25M for 25m reel

* Indicates parts made to order on request and may be subject to MOQ and lead time

- **Available on request:**
- longer lengths, cut lengths and assemblies
- additional sizes, stainless steel overbraided
- PG threads, female threaded fittings
- full copies of independent test report confirming screening effectiveness

How to read the fittings code

FB20-M20-M

- FB20 — conduit
- M20 — thread size
- M — fitting type

Standards

UNDERGROUND

BS EN IEC 61386

REACh ✓

CE

RoHS ✓

properties

- High mechanical strength
- Highly flexible
- IP rating: IP40
- High abrasion resistance
- Resists hot metal swarf and splashes
- Provides EMC screening

  55dB@1MHz (FB)
  49dB@1MHz (FUSSB)
- Temperature range -100˚C to +300˚C
- Inherently Low Fire Hazard (LFH)
- Fully compliant to LUL Std 1-085. (Cert No. 296)
- Nickel plated brass fittings





P

plain hole connector nickel plated brass

Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.

IP40

90° elbow

internal and external threaded nickel plated brass elbow

90˚ elbow which can be screwed onto external threaded fittings.

locknuts

galvanised steel and nickel plated brass locknuts

Hexagonal locknut to secure fitting. EMC locknuts have raised corners to ensure good continuity.

FCC

plated steel P clip with pvc liner, stainless steel P clips

P clip to support and secure conduit.



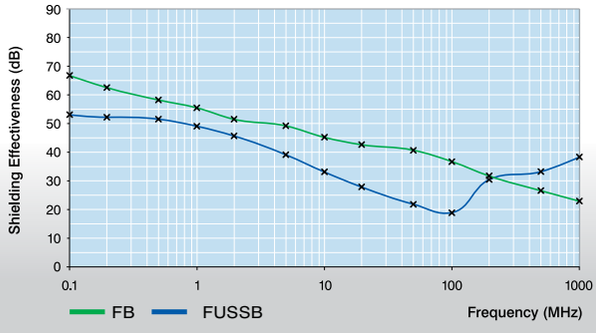




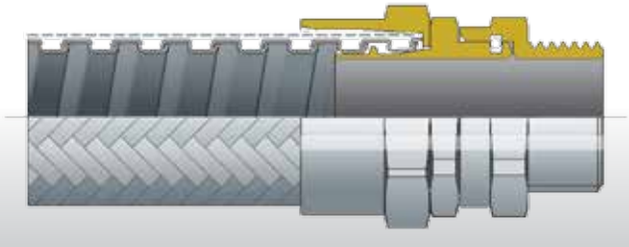


hole size (mm)	part number	metric thread part number	metric thread steel part number	metric thread EMC part number	metric thread brass part number	plated steel part number	stainless steel part number	nominal size (mm)
12	FB12-P	BM90-16M	S-M16		B-M16	FCC12	FCC12-SS*	12
16	FB16-P	BM90-16M	S-M16		B-M16	FCC16	FCC16-SS	16
		BM90-20M	S-M20	B-M20-EMC	B-M20	FCC16	FCC16-SS	16
20	FB20-P	BM90-20M	S-M20	B-M20-EMC	B-M20	FCC20	FCC20-SS	20
25	FB25-P	BM90-25M	S-M25	B-M25-EMC	B-M25	FCC25	FCC25-SS	25
32	FB32-P	BM90-32M	S-M32	B-M32-EMC	B-M32	FCC32	FCC32-SS	32
40	FB40-P	BM90-40M	S-M40	B-M40-EMC	B-M40	FCC40	FCC40-SS	40
51	FB50-P	BM90-50M	S-M50		B-M50	FCC50	FCC50-SS*	50

EMC Screening Performance



Ordering Notes



chanhvinh.com



LTPBRD system
galvanised steel core, thermoplastic elastomer coated and stainless steel overbraid

STANDARD EMC SCREEN
AS ANTI-STATIC

Conduit

LTPBRD



Construction: Galvanised steel, helically wound, flexible conduit with thermoplastic elastomer cover (same as LTPHC) and stainless steel (grade 316) overbraid.

Typical Applications: Very arduous industrial environments such as steel works.

Fittings

C

external thread nickel plated brass

Multipart compression fitting including elastomeric seal. Can be used for knockout. Braid is locked between inner and outer compression nuts.

IP66 IP67 IP68 IP69

C-S

swivel external thread nickel plated brass

Multipart compression fitting including elastomeric seal can be used for knockouts or threaded entries. Braid is locked between inner and outer compression nuts.

IP66 IP67 IP68 IP69



nominal size (mm)	LTPBRD part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number	metric thread part number
16	LTPBRD16	25	19.3	12.6	45	LTPB16-M16-C	LTPB16-M16-S
16						LTPB16-M20-C	LTPB16-M20-S
20	LTPBRD20	25	22.6	16.0	65	LTPB20-M20-C	LTPB20-M20-S
25	LTPBRD25	25	27.9	21.0	100	LTPB25-M25-C	LTPB25-M25-S
32	LTPBRD32	25	34.6	26.5	135	LTPB32-M32-C	LTPB32-M32-S
40	LTPBRD40	10	43.3	35.4	175	LTPB40-M40-C	LTPB40-M40-S
50	LTPBRD50*+	10	49.3	40.4	230	LTPB50-M50-C*	LTPB50-M50-S*

Ordering Notes

- Add reel length eg: LTPBRD20B-25M for 25m reel

* Indicates parts made to order on request and may be subject to MOQ and lead time

\+ Double interlock section

- **Available on request:**
- longer lengths
- 45° available in sizes 16-50mm
- cut lengths and assemblies
- additional sizes
- full copies of independent test report confirming screening effectiveness

How to read the fittings code

LTPB20-M20-M

conduit
thread size
fitting type

Standards

REACh

BS EN IEC 61386

CE RoHS

properties

- High mechanical strength
- Good flexibility
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Temperature range -60˚C to +150˚C
- High abrasion resistance
- Very high tensile strength
- Vibration and shock tested to EN61373 Cat 2
- Inherent Anti-Static performance properties





90° elbow

external threaded elbow nickel plated brass

Multipart compression fitting including elastomeric seal. Braid is locked between inner and outer compression nuts.

IP66 IP67 IP68 IP69

RSW

NEW

Polyester Elastomer Retained face sealing washers

Retained sealing washer to maintain IP rating of fitting to adjacent equipment.

locknuts

galvanised steel and nickel plated brass locknuts

Hexagonal locknut to secure fitting. EMC locknuts have raised corners to ensure good continuity.

FCC

plated steel P clip with pvc liner, stainless steel P clips

P clip to support conduit.









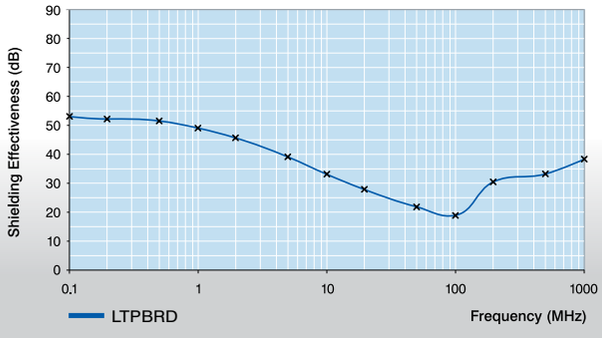




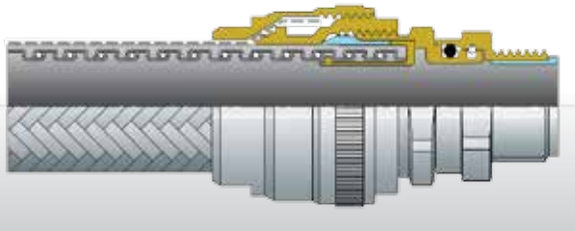


metric thread part number	metric thread part number	metric thread steel part number	metric thread EMC part number	metric thread brass part number	plated steel part number	stainless steel part number	nominal size (mm)
LTPB16-M16-C90	RSW16	S-M16		B-M16	FCC16	FCC16-SS	16
LTPB16-M20-C90	RSW20						16
LTPB20-M20-C90	RSW20	S-M20	B-M20-EMC	B-M20	FCC20	FCC20-SS	20
LTPB25-M25-C90	RSW25	S-M25	B-M25-EMC	B-M25	FCC25	FCC25-SS	25
LTPB32-M32-C90	RSW32	S-M32	B-M32-EMC	B-M32	FCC32	FCC32-SS	32
LTPB40-M40-C90	RSW40	S-M40	B-M40-EMC	B-M40	FCC40	FCC40-SS	40
LTPB50-M50-C90	RSW50	S-M50		B-M50	FCC50	FCC50-SS*	50

EMC Screening Performance



Technical Drawing





FPRSS system corrugated nylon, stainless steel overbraid

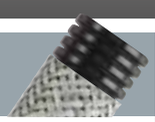
FPRTC system corrugated nylon, tinned copper overbraid

EXTRA LOW FIRE HAZARD ★★ | STANDARD EMC SCREEN ★

EXTRA LOW FIRE HAZARD ★★ | ENHANCED EMC SCREEN ★★

Conduit

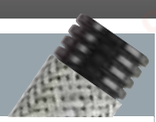
FPRSS



Construction: Standard weight, extra low fire hazard, corrugated nylon (PA6), with stainless steel (316) overbraid.

Typical Applications: Metro rail stations for anti-vandal.

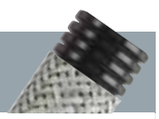
FPRTC



Construction: Standard weight, extra low fire hazard, corrugated nylon (PA6), with tinned copper overbraid.

Typical Applications: Inside railway carriages where screening is required.

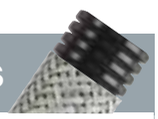
FPISS



Construction: Standard weight, corrugated nylon (PA12), with stainless steel (316) overbraid.

Typical Applications: Moving machinery where low temperatures, abrasion and impacts occur.

FPIHSS



Construction: Heavy weight, corrugated nylon (PA12), with stainless steel (316) overbraid.

Typical Applications: Under railway carriages where low temperatures, abrasion, impact and regular movement occurs.

Fittings

C

fixed external thread nickel plated brass

Multipart compression fitting including conduit retention clip and elastomeric seal. Can be used with knockouts. Braid is locked between inner and outer compression nuts.

IP67

C-S

swivel external thread nickel plated brass

Multipart compression fitting including conduit retention clip and elastomeric seal. Can be used for knockouts and threaded entries. Braid is locked between inner and outer compression nuts.

IP67



nominal size (mm)	FPRSS part number	FPRTC part number	FPISS part number	FPIHSS part number	outside dia (mm)	min inside dia (mm)	min inside bend radius (mm)	metric thread part number	metric thread part number	PG thread part number
16	FPRSS16-50M	FPRTC16-50M*	FPISS16-50M*	FPIHSS16-50M	17.3	11.5	35	BC16-M16-C	BC16-M16-S	BC16-PG11-S
20	FPRSS21-50M	FPRTC21-50M*	FPISS21-50M*	FPIHSS21-50M	22.7	15.0	45	BC21-M20-C	BC21-M20-S	BC21-PG16-S
25	FPRSS28-50M	FPRTC28-50M*	FPISS28-50M*	FPIHSS28-50M	30.0	21.3	50	BC28-M25-C	BC28-M25-S	BC28-PG21-S
32	FPRSS34-50M	FPRTC34-50M*	FPISS34-25M*	FPIHSS34-25M	36.0	27.6	60	BC34-M32-C	BC34-M32-S	BC34-PG29-S
40	FPRSS42-25M*	FPRTC42-25M*	FPISS42-25M*	FPIHSS42-25M*	44.0	35.5	70	BC42-M40-C	BC42-M40-S	
50	FPRSS54-25M*	FPRTC54-25M*	FPISS54-25M*	FPIHSS54-25M*	56.0	47.2	80	BC54-M50-C*	BC54-M50-S*	

Ordering Notes

* Indicates parts made to order on request and may be subject to MOQ and lead time

- **Available on request:**
- longer lengths
- cut lengths and assemblies
- additional sizes
- full copies of independent test report
- confirming screening effectiveness

How to read the fittings code

BC21-M20-C

- conduit
- thread size
- fitting type

Standards

UNDERGROUND

REACh

BS EN IEC 61386

CE

RoHS

Note: refer to conduit properties for applicable standards

FPISS system
corrugated nylon, stainless steel overbraid

STANDARD LOW FIRE HAZARD ★ STANDARD EMC SCREEN ★

FPIHSS system
corrugated nylon, stainless steel overbraid

STANDARD LOW FIRE HAZARD ★ STANDARD EMC SCREEN ★

properties

FPRSS & FPRTC

- Highly flexible and high fatigue life
- High impact strength
- Temperature range -40˚C to +120˚C
- Extra low fire hazard
- Provides EMC screening
  49dB@1MHz (FPRSS)
  67dB@1MHz (FPRTC)
- **FPRSS provides high tensile strength and resistance to abrasion, corrosion and vandals**
- Vibration and shock tested to EN61373 Cat 2
- **LUL Cert No. 298**

FPISS & FPIHSS

- Highly flexible
- Exceptional fatigue life
- Very high impact resistance even at low temperatures
- Temperature range -50˚C to +110˚C
- Low fire hazard
- Provides EMC screening 49dB@1MHz
- Provides high tensile strength and resistance to abrasion, corrosion and vandals
- Vibration and shock tested to EN61373 Cat 2

C-90

external thread elbow nickel plated brass

Multipart 90˚ compression fitting including conduit retention clip and elastomeric seal. Can be used with knockouts. Braid is locked between inner and outer compression nuts.

IP67

90° elbow

internal and external threaded nickel plated brass elbow

90˚ elbow which can be screwed onto external threaded fittings.

RSW NEW

Polyester Elastomer Retained face sealing washers

Retained sealing washer to maintain IP rating of fitting to adjacent equipment.

sealing washers

fibre face sealing washers

Sealing washer to maintain IP rating of fitting to adjacent equipment.

locknuts

galvanised steel and nickel plated brass locknuts

Hexagonal locknut to secure fitting. EMC locknuts have raised corners to ensure good continuity.

FCC

plated steel P clip with pvc liner, stainless steel P clips

P clip to support conduit.



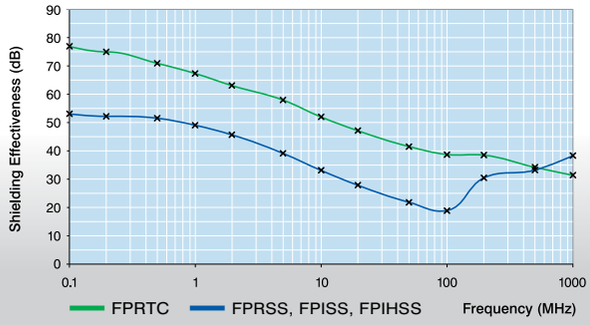




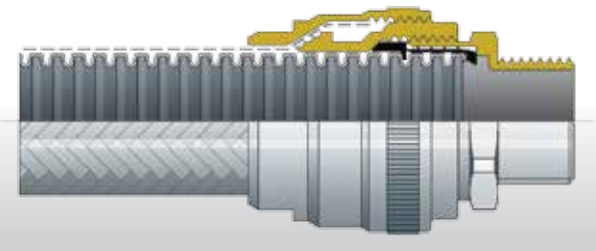


metric thread part number	metric thread part number	metric thread part number	part number	metric thread steel part number	metric thread EMC part number	metric thread brass part number	plated steel part number	stainless steel part number	nominal size (mm)
	BM90-16M	RSW16	FWPG11	S-M16		B-M16	FCC16	FCC16-SS	16
BC21-M20-C90	BM90-20M	RSW20	FWPG16	S-M20	B-M20-EMC	B-M20	FCC20	FCC20-SS	20
	BM90-25M	RSW25	FWPG21	S-M25	B-M25-EMC	B-M25	FCC25	FCC25-SS	25
	BM90-32M	RSW32	FWPG29	S-M32	B-M32-EMC	B-M32	FCC32	FCC32-SS	32
	BM90-40M	RSW40		S-M40	B-M40-EMC	B-M40	FCC40	FCC40-SS	40
	BM90-50M	RSW50		S-M50		B-M50	FCC50	FCC50-SS*	50

EMC Screening Performance



Technical Drawing



chanhvinh.com

Cable Gland Fittings

NEW

cable strain relief and enhanced IP rating for Flexicon conduits

For applications that require the conduit system to provide strain relief and enhanced IP rating to the cables being mechanically protected eg. rail market or heavy machinery construction sector.

properties

- Combined properties of conduit fitting and cable gland
- Cable strain relief
- Additional IP rating on cable inside conduit*
- Nickel plated brass fittings
- Cable gland properties: IP68 (10 bar) + IP69
- Temperature range
  - -40˚C to +100˚C for static applications
  - -20˚C to +100˚C for dynamic applications
- EMC cable gland version on request

Conduit

Fittings

Conduit size (mm)	Part Number	Suitable for the following conduits	Conduit	Fitting	IP rating of conduit system	IP rating of cable gland	Clamping range of cable gland
16	FSU16-BM16-CG	FU & SSU			IP40	IP68 (10 bar)+IP69	4.5-10mm
20	FSU20-BM20-CG						7-13mm
25	FSU25-BM25-CG						9-17mm
32	FSU32-BM32-CG						11-21mm
16	FSU16-BM16-CG	FSU, FNU, LFHU and FPU			IP65	IP68 (10 bar)+IP69	4.5-10mm
20	FSU20-BM20-CG						7-13mm
25	FSU25-BM25-CG						9-17mm
32	FSU32-BM32-CG						11-21mm
16	LTP16-BM16-CG	LTP, LTPHC, LTPUL, LTPAS, LTPSS, LTPLFH LTBRDP, LTBRDLFH, LTPPU and LTPPUAS			IP66+IP67+ IP68 (5 bar)+IP69	IP68 (10 bar)+IP69	4.5-10mm
20	LTP20-BM20-CG						7-13mm
25	LTP25-BM25-CG						9-17mm
32	LTP32-BM32-CG						11-21mm
16	FSB16-BM16-CG	FB & FUSSB			IP40	IP68 (10 bar)+IP69	4.5-10mm
20	FSB20-BM20-CG						7-13mm
25	FSB25-BM25-CG						9-17mm
32	FSB32-BM32-CG						11-21mm
16	FSB16-BM16-CG	FSB & LFHUBRD			IP65	IP68 (10 bar)+IP69	4.5-10mm
20	FSB20-BM20-CG						7-13mm
25	FSB25-BM25-CG						9-17mm
32	FSB32-BM32-CG						11-21mm
16	LTPB16-BM16-CG	LTPBRD			IP66+IP67+ IP68 (5 bar)+IP69	IP68 (10 bar)+IP69	4.5-10mm
20	LTPB20-BM20-CG						7-13mm
25	LTPB25-BM25-CG						9-17mm
32	LTPB32-BM32-CG						11-21mm
16	LPC16-BM16-CG	LPC, LPCG, LPCO, LPCBU			IP66+IP67+ IP68 (5 bar)+IP69	IP68 (10 bar)+IP69	4.5-10mm
20	LPC20-BM20-CG						7-13mm
25	LPC25-BM25-CG						9-17mm
32	LPC32-BM32-CG						11-21mm

*IP rating up to IP68 (10 bar), IP69 dependent on cable used

Standards

BS EN IEC 61386 CE

REACh RoHS









FTCB Braided sleeving

tinned copper braid system for EMC screening

NEW

ENHANCED EMC SCREEN ★★

INHERENT LOW FIRE HAZARD ★★★

properties

- EMC Screening 67dB @ 1Mhz for 20mm
- Minimum optical cover 90%
- Can offer mechanical support
- Can offer abrasion resistance

Overbraid

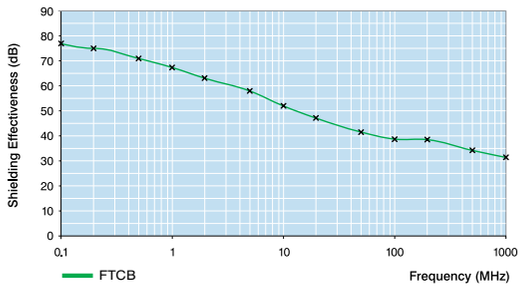
FTCB

NEW

Construction: Tinned copper braided sleeving.
Colour: self colour

Typical Applications: Screening of cables from electromagnetic, electrostatic and RF interference. Can be sleeved over cables before they are drawn into conduits.

FTCB part number	Reel length (m)	Nominal I/D(mm)	Usable ø mm min	Usable ø mm max	Cross sectional area -mm²
FTCB3	100	3.0	2.0	3.5	1.06
FTCB4	100	4.0	3.0	5.0	1.49
FTCB5	100	5.0	4.0	6.0	1.91
FTCB6	100	6.0	5.0	7.0	2.23
FTCB10	50	10.0	7.0	12.0	4.43
FTCB12	50	12.5	11.0	13.0	4.83
FTCB15	50	15.0	13.0	18.0	8.29
FTCB20	50	20.0	17.0	23.0	9.65
FTCB25	50	25.0	22.0	28.0	12.54
FTCB30	25	30.0	27.0	36.0	19.30
FTCB35	25	35.0	30.0	50.0	19.30
FTCB50	25	50.0	45.0	65.0	35.63





- As the diameter increases towards the maximum expansion the sleeving decreases in length.
- Normally supplied on disposable PVC former or can be supplied in flat form on a reel by request
- Temperature performance of sleeving:

  -50°C to +300°C

FPA

Construction: Nylon PA66 & Nickel Plated Brass. Colour: Black

Typical Applications: Straight fitting with internal braid clamp assembly for use with braided sleeving inside corrugated conduit.

IP66

FPAX

IP66 IP67 IP68 IP69

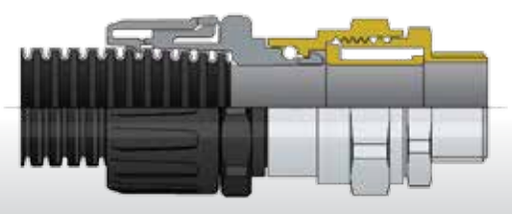


Conduit Size (mm)	FPA part number	FPAX part number	Use with Braid
21	FPA21-M20-SBCA	FPAX21-M20-SBCA	FTCB10, FTCB12, FTCB15
28	FPA28-M25-SBCA	FPAX28-M25-SBCA	FTCB15, FTCB20, FTCB25
34	FPA34-M32-SBCA	FPAX34-M32-SBCA	FTCB20, FTCB25, FTCB30
42	FPA42-M40-SBCA	FPAX42-M40-SBCA	FTCB25, FTCB30, FTCB35

Ordering Notes

- **Available on request:**
  - 90° and 45° elbows
  - PG threads

Technical Drawing



chanhvinh.com

Accessories

metric locknuts

nickel plated brass, plated steel, stainless steel, nylon black or grey



nickel plated brass part number	nickel plated EMC part number	plated steel part number	stainless steel part number	nylon part number
B-M12				LM12-N#
B-M16		S-M16	SS-M16	LM16-N#
B-M20	B-M20-EMC	S-M20	SS-M20	LM20-N#
B-M25	B-M25-EMC	S-M25	SS-M25	LM25-N#
B-M32	B-M32-EMC	S-M32	SS-M32	LM32-N#
B-M40	B-M40-EMC	S-M40	SS-M40	LM40-N#
B-M50		S-M50	SS-M50*	LM50-N#
B-M63		S-M63	SS-M63*	LM63-N#
B-M75				

PG locknuts

nickel plated brass, nylon black or grey



nickel plated brass part number	nylon part number
B-PG7	PG7-N#
B-PG9	PG9-N#
B-PG11	PG11-N#
B-PG13	PG13-N#
B-PG16	PG16-N#
B-PG21	PG21-N#
B-PG29	PG29-N#
B-PG36	PG36-N#
B-PG42	PG42-N#
B-PG48	PG48-N#

stop plug

nylon metric black



metric part number
SP-M12*
SP-M16
SP-M20
SP-M25
SP-M32

stop plug

nylon PG



PG part number
SP-PG7*
SP-PG9
SP-PG11
SP-PG13
SP-PG16
SP-PG21
SP-PG29

add B or G to specify colour. eg. LM20-NB for Black

sealing washers

Polyester Elastomer, Neoprene and fibre face sealing washers

Polyester Elastomer Metric

NEW



metric thread part number
RSW16
RSW20
RSW25
RSW32
RSW40
RSW50
RSW63*

Neoprene Metric



metric thread part number
SW12
SW16
SW20
SW25
SW32
SW40
SW50
SW63

Fibre Metric



metric thread part number
FW12
FW16
FW20
FW25
FW32
FW40
FW50
FW63

Neoprene PG



PG thread part number
SWPG7
SWPG9
SWPG11
SWPG13
SWPG16
SWPG21
SWPG29
SWPG36
SWPG42
SWPG48

Fibre PG



PG thread part number
FWPG7
FWPG9
FWPG11
FWPG13
FWPG16
FWPG21
FWPG29
FWPG36
FWPG48

earthing washers

shake proof washer



metric thread part number
SPW16
SPW20
SPW25
SPW32

earth tag washer



metric thread part number
ET-M20
ET-M25

fixing clips

plated steel with black pvc liner or stainless steel. LFH liner available on request



conduit clip

nylon conduit clip with integral lid - black or grey



FCLAMP NEW

non-metallic, heavy duty conduit clamp

Nylon PA66, Nylon conduit fixing clamp for corrugated conduit.



EC

end cap

Nylon PA66 end cap to snap over end of conduit and provide a smooth entry bush to prevent snagging and sharp edges, and provide a neat finish when no connectors are used.



REC NEW

rubber end cap

Thermoplastic elastomer cap used to seal end of conduit. Can be cut to size depending on size of cable. Can be additionally secured using cable tie (not supplied).



For fixing rails and accessories see page 45

to fit conduit size	part number	part number	to fit nominal conduit sizes	conduit clip for corrugated	conduit clip for plain or rigid	FCLAMP	End Cap	part number	to fit conduit size	outlet ID mm
10	FCC10	FCC10-SS*	10	FCL10				REC10	10	0-7
12	FCC12	FCC12-SS*	13	FCL13				REC13	11	0-7
16	FCC16	FCC16-SS	16	FCL16	FCL16B-P	FCLAMP- 3-16	EC16B	REC16	16	0-11
20	FCC20	FCC20-SS	18	FCL18	FCL18B-P					
25	FCC25	FCC25-SS	20	FCL20	FCL20B-P					
32	FCC32	FCC32-SS	21	FCL21	FCL21B-P	FCLAMP- 3-21	EC21B	REC21	21	0-15
40	FCC40	FCC40-SS	25	FCL25	FCL25B-P					
50	FCC50	FCC50-SS*	28	FCL28		FCLAMP- 4-28	EC28B	REC28	28	0-21
63	FCC63		34	FCL34	FCL33B-P	FCLAMP- 5-34	EC34B	REC34	34	0-25
75	FCC75		42	FCL42		FCLAMP- 6-42	EC42B	REC42	42	0-34
80	FCC80		54	FCL54		FCLAMP- 7-54	EC54B	REC54	54	0-46
106	FCC106		67			FCLAMP- 7-67				
			80			FCLAMP- 8-80				

* indicates parts made to order on request and may be subject to MOQ and lead time

cable glands

Our range of Cable glands provides an easy to assemble, fast fit, liquid tight solution for multipurpose applications.
Available in four colours, Black, Red (RAL 3020), White and Light Grey (RAL 7035) they have been designed to provide the highest degree of functionality and safety.









Thread Size.	Black Part No.	Red Part No.	White Part No.	Grey Part No.	Thread Length (mm)	Cable Dia (min) (mm)	Cable Dia (max) (mm)	Spanner Size (mm)	Pack Quantity
M16	CGM16B	CGM16R	CGM16W	CGM16G	11	5	10	22	100
M20	CGM20SB	CGM20SR	CGM20SW	CGM20SG	11	6	12	24	100
M20	CGM20B	CGM20R	CGM20W	CGM20G	11	10	14	27	100
M25	CGM25B	CGM25R	CGM25W	CGM25G	11	13	18	33	50
M32	CGM32B				11	18	25	41	25

Technical Details

- Material: PA6
- IP Rating; IP68 (4 bar)
- Nitrile Rubber seal
- Produced and tested in accordance with EN 50262:1999
- Temperature range; -20˚C to +90˚C

Red, white and grey supplied with locknut. Black supplied without locknut.



Thread Size.	Nickel plated brass	Thread Length (mm)	Cable Dia (min) (mm)	Cable Dia (max) (mm)	Spanner Size (mm)	Pack Quantity
M16	B-M16-CG	12	4.5	10	20	10
M20	B-M20-CG	12	7	13	24	10
M25	B-M25-CG	12	9	17	29	10
M32	B-M32-CG	15	11	21	36	2
M40	B-M40-CG	15	19	28	45	2
M50	B-M50-CG	15	27	35	54	1

Technical Details

- Material: Nickel plated brass
- IP Rating; IP68 (10 bar) + IP69
- Produced and tested in accordance with EN 50262:1999
- Temperature range;
  -40˚C to +100˚C (static)
  -20˚C to +100˚C (dynamic)
- UL Listed

90° elbow

internal and external threaded nickel plated brass 90° elbow



threads	part number
PG7	BM90-PG7
M16	BM90-16M
M20	BM90-20M
M25	BM90-25M
M32	BM90-32M
M40	BM90-40M
M50	BM90-50M

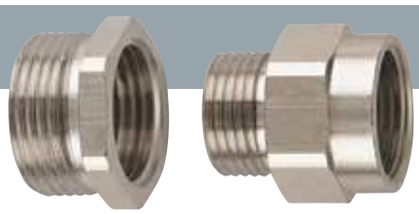
couplers

nickel plated brass internally threaded



thread	metric thread part number
M16	B-M16-C
M20	B-M20-C
M25	B-M25-C
M32	B-M32-C
M40	B-M40-C
M50	B-M50-C
M63	B-M63-C
M75	B-M75-C

thread converters



nickel plated brass thread convertors, reducers and enlargers external and internal thread.

Metric Internal Threads

	external thread / internal thread	M16	M20	M25	M32	M40	M50
Metric - Metric	M16		B-M16-M20				
	M20	B-M20-M16		B-M20-M25			
	M25		B-M25-M20		B-M25-M32		
	M32		B-M32-M20	B-M32-M25		B-M32-M40	
	M40				B-M40-M32		
	M50				B-M50-M32	B-M50-M40	
	M63					B-M63-M40	B-M63-M50
PG - Metric	PG7	B-PG7-M16	B-PG7-M20				
	PG9	B-PG9-M16	B-PG9-M20				
	PG11	B-PG11-M16	B-PG11-M20				
	PG13.5	B-PG13-M16	B-PG13-M20				
	PG16	B-PG16-M16	B-PG16-M20	B-PG16-M25			
	PG21		B-PG21-M20	B-PG21-M25	B-PG21-M32		
	PG29		B-PG29-M20	B-PG29-M25	B-PG29-M32	B-PG29-M40	
	PG36				B-PG36-M32	B-PG36-M40	
	PG42						
	PG48					B-PG48-M40	
NPT - Metric	¾″ NPT	B-038-M16					
	½″ NPT		B-050-M20				
	¾″ NPT		B-075-M20	B-075-M25			
	1″ NPT				B-100-M32		

PG Internal Threads

	external thread / internal thread	PG7	PG9	PG11	PG13.5	PG16	PG21	PG29	PG36
Metric - PG	M16	B-M16-PG7	B-M16-PG9	B-M16-PG11					
	M20	B-M20-PG7	B-M20-PG9	B-M20-PG11	B-M20-PG13	B-M20-PG16	B-M20-PG21		
	M25						B-M25-PG21		
	M32						B-M32-PG21		
	M40							B-M40-PG29	
	M50								B-M50-PG36
PG - PG	PG7		B-PG7-PG9						
	PG9	B-PG9-PG7		B-PG9-PG11					
	PG11	B-PG11-PG7	B-PG11-PG9		B-PG11-PG13				
	PG13.5	B-PG13-PG7	B-PG13-PG9	B-PG13-PG11		B-PG13-PG16			
	PG16	B-PG16-PG7	B-PG16-PG9	B-PG16-PG11	B-PG16-PG13		B-PG16-PG21		
	PG21			B-PG21-PG11	B-PG21-PG13	B-PG21-PG16		B-PG21-PG29	
	PG29					B-PG29-PG16	B-PG29-PG21		B-PG29-PG36
	PG36							B-PG36-PG29	
	PG42								B-PG42-PG36
	PG48								B-PG48-PG36

Note: Refer to page 96 for thread dimensions tables.

For EXD thread converters, please see page 72

tools

The following tools and accessories are available to aid installation. See page 92 for cutting and assembly advice. Alternatively visit our website & view our handy video clips to aid your installation.

clamp

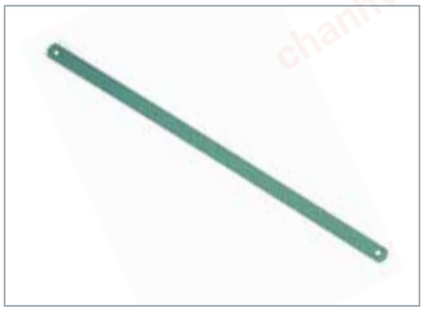
cutting vice to hold metallic conduits and guide hacksaw (16-50mm).



Part Number	
BSB	clamp

hacksaw blade

fine tooth (32 TPI) blade for standard hacksaw.



Part Number
HACKSAWBLADE

bandsaw

bench mounted, 240v, fine toothed (32TPI) bandsaw.



Part Number	
BANDSAW	
BANDSAWBLADE	(spare blades)

conduit cutter

for any non metallic flexible and rigid conduits.



Part Number	
CC01	up to 34mm conduits
CC02	up to 67mm conduits

slitting tool

can be used to slit all corrugated conduits down to 13mm.



Part Number	
CS01	slitting tool

slit conduit insertion tool

for easy installation of wires into slit conduit.



Part Number	for conduit
ST16	**FPYS16 + FPYS12**
ST20	**FPYS20**
ST25	**FPYS25**
ST32	**FPYS32**

removal tool for push in Flexilok® fittings (see page 38)



Part Number	For use with:
RTPF20	**FLK16-PL20, FLK20-PL20, FLK21-PL20**
RTPF25	**FLK25-PL25, FLK28-PL25**
RTPF32	**FLK34-PL32**

4 tooth Flexilok® Removal tool for use with 42mm & 54mm sizes (see page 38)



Part Number	For use with:
FLK42RT	**FLK42-M40, FLK42-M50, FLK42-PG36**
FLK54RT	**FLK54-M50, FLK54-M63, FLK54-PG48**

Each pack contains:

10m conduit
10 fittings
10 locknuts



FPYE-CP25B



Benefits

- Simplistic ordering
- Easy storage
- Ready to use

PVC white

IP66 NEW

FPL-CP20W M20 thread
FPL-CP25W M25 thread



- 10 metres of white corrugated upvc FPL20 or FPL25
- Pliable conduit for static applications
- Self extinguishing

- 10 white nylon Flexilok fittings and locknuts FLK20-M20W or FLK25-M25W
- IP66
- 1 part, fast fit

SLIT POLYPROPYLENE grey

NEW

FPPS-TP21G



- 10 metres of slit grey polypropylene FPP21G
- Self extinguishing



- Can be slipped over existing cables to tidy up and protect them
- 1 slit conduit insertion tool ST20

STEEL
- pvc coating - black IP54

FSU-CP20B M20 thread



- 10 metres of galvanised steel with PVC coating
- Temperature range -15˚C to +70˚C
- Self extinguishing
- High mechanical strength
- Highly flexible
- 5 M20 fixed fittings
- 5 M20 swivel fittings
- 10 steel locknuts
- IP54

NYLON
- black IP66 STANDARD LOW FIRE HAZARD *

FPAS-CP21B M20 thread
FPAS-CP25B M25 thread



- 10 metres of standard weight nylon PA6 FPAS21 or FPAS25
- Low fire hazard
- Halogen free
- Self extinguishing
- Low smoke and Low toxicity
- High flexibility and fatigue life
- High impact strength
- Oil and solvent resistant
- UV resistant
- Temperature range -40˚C to +120˚C
- 10 FPA fittings and locknuts FPA21-M20B or FPA25-M25B
- One part, fast fit
- Removable using a screwdriver
- High pull-off strength
- Anti-vibration
- IP66
- UV resistant

PVC SPIRAL
- black IP54

FPC-CP20B M20 thread
FPC-CP25B M25 thread



- 10 metres of spiral reinforced pvc FPC20 or FPC25
- Highly flexible
- Accepts torsional movement
- Self extinguishing
- UV resistant
- Temperature range -5˚C to +70˚C
- 10 MPC fittings and locknuts
- IP65
- UV resistant
- Smooth bore

NYLON
- black IP66 NEW

FPYE-CP20B M20 thread
FPYE-CP25B M25 thread



- 10 metres of light weight nylon PA6 FPAL20 or FPAL25
- Flexible
- Halogen free
- Self extinguishing
- Temperature range -40˚C to +120˚C
- 10 Flexilok fittings and locknuts FLK20-M20B or FLK25-M25B
- IP66
- One part, fast fit

POLYPROPYLENE
- black or grey IP66 NEW

FPP-CP20B M20 thread
FPP-CP25B M25 thread



- 10 metres of polypropylene FPP20 or FPP25
- Temperature range -20˚C to +90˚C
- Self extinguishing
- To specify grey change B to a G eg: FPP-CP20G
- 10 Flexilok (PP) fittings and locknuts FLK20-M20-PP or FLK25-M25-PP
- IP66
- One part, fast fit

Standards

CE RoHS REACh

Don't Forget

See page 45



resistance to chemicals

Page number	conduit system	ASTM NO. 1	ASTM NO. 2	ASTM NO. 3	ACETIC ACID (10%)	ACETONE	ALUMINIUM CHLORIDE	BENZENE	CARBON TETRACHLORIDE	CHLOROFORM	CITRIC ACID	COPPER SULPHATE	CRESOL	DIESEL OIL	DIETHYLAMINE	ETHANOL	ETHER	ETHYLAMINE	ETHYLENE GLYCOL	FREON 32	HYDROCHLORIC ACID (10%)	HYDROCHLORIC ACID (30%)
20	**FPAS** nylon LFH PA6 corrugated, std weight	✓	✓	✓	L	✓	X	✓	✓	X	✓	L	X	✓	✓	✓	✓	✓	✓	✓	X	X
20	**FPAL** nylon PA6 corrugated, light weight	✓	✓	✓	L	✓	X	✓	✓	X	✓	L	X	✓	✓	✓	✓	✓	✓	✓	X	X
20	**FPAH** nylon LFH PA6 corrugated, heavy weight	✓	✓	✓	L	✓	X	✓	✓	X	✓	L	X	✓	✓	✓	✓	✓	✓	✓	X	X
21	**FPR** nylon extra LFH PA6 corrugated, std weight	✓	✓	✓	L	✓	X	✓	✓	X	✓	L	X	✓	✓	✓	✓	✓	✓	✓	X	X
21	**FPI** nylon PA12 corrugated, standard weight	✓	✓	✓	L	✓	L	✓	✓	X	✓	L	X	✓	L	L	✓	L	✓	✓	X	X
21	**FPIH** nylon PA12 corrugated, heavy weight	✓	✓	✓	L	✓	L	✓	✓	X	✓	L	X	✓	L	L	✓	L	✓	✓	X	X
21	**FPADS** nylon PA6 double slit corrugated	✓	✓	✓	L	✓	X	✓	✓	X	✓	L	X	✓	✓	✓	✓	✓	✓	✓	X	X
22	**FPP** polypropylene corrugated, std weight	✓	✓	L	PP	✓	L	L	L	L	✓	L	X	✓	✓	✓	✓	✓	✓	✓	PPPP	
22	**FPP-NFR** polypropylene corrugated non flame retarded	✓	✓	L	PP	✓	L	L	L	L	✓	L	X	✓	✓	✓	✓	✓	✓	✓	PPPP	
22	**FPPH** polypropylene corrugated heavy weight	✓	✓	L	PP	✓	L	L	L	L	✓	L	X	✓	✓	✓	✓	✓	✓	✓	PPPP	
40	**FPL** upvc corrugated	✓	✓	✓	L	X	L	X	L	X	✓	L	X	✓	L	✓	✓	L	✓	L	X	X
42	**FPY** nylon PA6 corrugated	✓	✓	✓	L	✓	X	✓	✓	X	✓	L	X	✓	✓	✓	✓	✓	✓	✓	X	X
42	**FPYS** slit nylon PA6 corrugated, std weight	✓	✓	✓	L	✓	X	✓	✓	X	✓	L	X	✓	✓	✓	✓	✓	✓	✓	X	X
42	**FPYL** nylon PA6 corrugated, light weight	✓	✓	✓	L	✓	X	✓	✓	X	✓	L	X	✓	✓	✓	✓	✓	✓	✓	X	X
42	**FPYLS** slit nylon PA6 corrugated, light weight	✓	✓	✓	L	✓	X	✓	✓	X	✓	L	X	✓	✓	✓	✓	✓	✓	✓	X	X
44	**FPY** nylon PA6, large diameter	✓	✓	✓	L	✓	X	✓	✓	X	✓	L	X	✓	✓	✓	✓	✓	✓	✓	X	X
46	**FPCB** pvc spiral reinforced black	X	X	X	L	X	L	X	L	X	✓	L	X	L	L	X	L	L	L	L	X	X
46	**FPCG** pvc spiral reinforced grey	X	X	X	L	X	L	X	L	X	✓	L	X	L	L	X	L	L	L	L	X	X
46	**FPCGN** pvc spiral reinforced green oil resistant	✓	✓	✓	✓	X	X	X	L	X	✓	✓	L	✓	L	X	L	L	L	L	L	X
46	**FPCBU** pvc spiral reinforced blue high temperature	X	X	X	L	X	L	X	L	X	✓	L	X	L	L	X	L	L	L	L	X	X
48	**LPC** smooth, pvc spiral reinforced	✓	✓	✓	✓	X	X	X	L	X	✓	✓	L	✓	L	X	L	L	L	L	L	X
48	**LPCO** smooth pvc spiral orange ultra flexible	✓	✓	✓	✓	X	X	X	L	X	✓	✓	L	✓	L	X	L	L	L	L	L	X
48	**LPCGN** smooth pvc spiral green oil resistant	✓	✓	✓	✓	X	X	X	L	X	✓	✓	L	✓	L	X	L	L	L	L	L	X
48	**LPCBU** smooth pvc spiral blue high temperature	✓	✓	✓	✓	X	X	X	L	X	✓	✓	L	✓	L	X	L	L	L	L	L	X

key

✓ good resistance
L limited resistance
PP suitable with polypropylene fittings
SS suitable with stainless steel fittings
X poor resistance



Visit our website and use our conduit selector tool to see chemical resistance properties.

non-metallic conduit and fittings

HYDROGEN PEROXIDE (30%)	HYDROGEN PEROXIDE (60%)	LACTIC ACID	LUBRICATING OIL	METHANOL	METHYL BROMIDE	MEK	NITRIC ACID (10%)	NITRIC ACID (60%)	OXALIC ACID	OZONE (GAS)	PARAFFIN OIL	PETROL	PHENOL	SEA WATER	SILVER NITRATE	SKYDROL	SODIUM CHLORIDE	SODIUM HYDROXIDE (10%)	SODIUM HYDROXIDE (60%)	SULPHUR DIOXIDE (GAS)	SULPHURIC ACID (10%)	TOLUENE	TRANSFORMER OIL	1,1,1-TRICHLOROETHANE	TRICHLOROETHYLENE	TURPENTINE	VEGETABLE OIL	VINYL ACETATE	WATER	WHITE SPIRIT	ZINC CHLORIDE	
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	L	✓	✓	L	✓	✓	X	**FPAS** nylon LFH PA6 corrugated, std weight
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	L	✓	✓	L	✓	✓	X	**FPAL** nylon PA6 corrugated, light weight
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	L	✓	✓	L	✓	✓	X	**FPAH** nylon LFH PA6 corrugated, heavy weight
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	L	✓	✓	L	✓	✓	X	**FPR** nylon extra LFH PA6 corrugated, std weight
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	✓	✓	✓	✓	✓	L	X	X	✓	✓	✓	X	✓	✓	L	✓	✓	X	**FPI** nylon PA12 corrugated, standard weight
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	✓	✓	✓	✓	✓	L	X	X	✓	✓	✓	X	✓	✓	L	✓	✓	X	**FPIH** nylon PA12 corrugated, heavy weight
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	L	✓	✓	L	✓	✓	X	**FPADS** nylon PA6 double slit corrugated
X	X	PP	✓	L	X	✓	PP	PP	PP	X	✓	✓	X	✓	✓	✓	✓	✓	✓	PP	PP	✓	✓	L	L	X	✓	L	✓	✓	X	**FPP** polypropylene corrugated, std weight
X	X	PP	✓	L	X	✓	PP	PP	PP	X	✓	✓	X	✓	✓	✓	✓	✓	✓	PP	PP	✓	✓	L	L	X	✓	L	✓	✓	X	**FPP-NFR** polypropylene corrugated non flame retarded
X	X	PP	✓	L	X	✓	PP	PP	PP	X	✓	✓	X	✓	✓	✓	✓	✓	✓	PP	PP	✓	✓	L	L	X	✓	L	✓	✓	X	**FPPH** polypropylene corrugated heavy weight
X	X	L	✓	L	X	X	X	X	L	X	✓	✓	X	✓	✓	X	✓	✓	✓	X	X	X	✓	X	X	✓	✓	X	✓	✓	X	**FPL** upvc corrugated
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	L	✓	✓	L	✓	✓	X	**FPY** nylon PA6 corrugated
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	L	✓	✓	L	✓	✓	X	**FPYS** slit nylon PA6 corrugated, std weight
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	L	✓	✓	L	✓	✓	X	**FPYL** nylon PA6 corrugated, light weight
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	L	✓	✓	L	✓	✓	X	**FPYLS** slit nylon PA6 corrugated, light weight
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	L	✓	✓	L	✓	✓	X	**FPY** nylon PA6, large diameter
L	X	L	L	X	X	X	X	X	L	X	L	X	X	✓	✓	X	✓	✓	L	X	X	X	L	X	X	L	L	X	✓	L	X	**FPCB** pvc spiral reinforced black
L	X	L	L	X	X	X	X	X	L	X	L	X	X	✓	✓	X	✓	✓	L	X	X	X	L	X	X	L	L	X	✓	L	X	**FPCG** pvc spiral reinforced grey
L	X	L	✓	X	X	X	L	X	✓	L	✓	✓	L	✓	✓	X	✓	✓	✓	X	X	X	L	X	X	L	✓	X	✓	L	X	**FPCGN** pvc spiral reinforced green oil resistant
L	X	L	L	X	X	X	X	X	L	X	L	X	X	✓	✓	X	✓	✓	L	X	X	X	L	X	X	L	L	X	✓	L	X	**FPCBU** pvc spiral reinforced blue high temperature
L	X	L	✓	X	X	X	L	X	✓	L	✓	✓	L	✓	✓	X	✓	✓	✓	X	SS	X	L	X	X	L	✓	X	✓	L	X	**LPC** smooth, pvc spiral reinforced
L	X	L	✓	X	X	X	L	X	✓	L	✓	✓	L	✓	✓	X	✓	✓	✓	X	SS	X	L	X	X	L	✓	X	✓	L	X	**LPCO** smooth pvc spiral orange ultra flexible
L	X	L	✓	X	X	X	L	X	✓	L	✓	✓	L	✓	✓	X	✓	✓	✓	X	SS	X	L	X	X	L	✓	X	✓	L	X	**LPCGN** smooth pvc spiral green oil resistant
L	X	L	✓	X	X	X	L	X	✓	L	✓	✓	L	✓	✓	X	✓	✓	✓	X	SS	X	L	X	X	L	✓	X	✓	L	X	**LPCBU** smooth pvc spiral blue high temperature

The chart above is based on exposure to single chemicals at room temperature and should be used as a selection guide. For additional chemicals, higher concentrations, elevated temperatures or combinations of chemicals, please call +44 (0)1675 466900 for technical advice.

chanhvinh.com

resistance to chemicals

Page number	conduit system	ASTM NO. 1	ASTM NO. 2	ASTM NO. 3	ACETIC ACID (10%)	ACETONE	ALUMINIUM CHLORIDE	BENZENE	CARBON TETRACHLORIDE	CHLOROFORM	CITRIC ACID	COPPER SULPHATE	CRESOL	DIESEL OIL	DIETHYLAMINE	ETHANOL	ETHER	ETHYLAMINE	ETHYLENE GLYCOL	FREON 32	HYDROCHLORIC ACID (10%)	HYDROCHLORIC ACID (30%)
58	**FU** galvanised steel	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X	X	X
58	**SSU** stainless steel, grade 316	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X
60	**FSU** galvanised steel, pvc coated	X	X	X	L	X	X	X	X	X	✓	✓	L	L	X	X	X	X	L	L	✓	X
60	**FNU** galvanised steel, nylon coated	✓	✓	✓	L	✓	X	L	✓	X	✓	L	X	✓	✓	✓	✓	✓	✓	✓	X	X
62	**LFHU** galvanised steel, LFH coated	L	L	L	✓	X	X	X	X	X	✓	✓	X	X	✓	X	X	X	✓	X	X	X
62	**FPU** galvanised steel, polyurethane coated	✓	✓	✓	X	L	L	L	L	X	✓	✓	X	✓	L	✓	L	X	✓	X	X	X
64	**LTP/LTPAS** galv steel, pvc coated, liquid tight	L	L	L	✓	X	X	X	L	X	✓	✓	L	L	L	X	L	L	L	L	L	X
64	**LTPHC** galv steel, thermoplastic rubber, liquid tight	✓	L	L	✓	✓	X	X	L	L	✓	✓	✓	✓	✓	✓	✓	L	✓	X	✓	✓
64	**LTPUL** galv steel, LFH coated, liquid tight	✓	✓	✓	✓	X	X	X	L	X	✓	✓	L	✓	L	X	L	L	L	L	L	X
64	**LTPLFH** galv steel, LFH coated, liquid tight	✓	✓	✓	✓	X	X	X	L	X	✓	✓	L	✓	L	X	L	L	L	L	L	X
66	**LTPSS** stainless steel, pvc coated, liquid tight	✓	✓	✓	✓	X	X	X	L	X	✓	✓	L	✓	L	X	L	L	L	L	L	X
66	**LTPPU/LTPPUAS** galv steel, polyurethane coated, liquid tight	✓	✓	✓	X	L	L	L	L	X	✓	✓	X	✓	L	✓	L	X	✓	X	X	X
66	**LTBRDP** galv steel, braided core, pvc coated, liquid tight	✓	✓	✓	✓	X	X	X	L	X	✓	✓	L	✓	L	X	L	L	L	L	L	X
66	**LTBRDLFH** galv steel, braided core, LFH coated, liquid tight	L	L	L	✓	X	X	X	X	X	✓	✓	X	X	✓	X	X	X	✓	X	X	X
74	**FL** galvanised steel, pliable	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X	X	X
74	**FLP** galvanised steel, pvc coated, pliable	X	X	X	L	X	X	X	L	X	✓	✓	L	L	L	X	L	L	L	L	✓	L
75	**LFHP** galvanised steel, LFH coated, pliable	L	L	L	✓	X	X	X	X	X	✓	✓	X	X	✓	X	X	X	✓	X	X	X
76	**FSB** galv steel, pvc, galv steel overbraid	X	X	X	L	X	X	X	X	X	✓	✓	L	L	X	X	X	X	L	L	✓	X
76	**LFHUBRD** galv steel, LFH coated, SS316 overbraid	L	L	L	✓	X	X	X	X	X	✓	✓	X	X	✓	X	X	X	✓	X	X	X
78	**FB** galvanised steel, galv steel overbraid	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X	X	X
78	**FUSSB** galvanised steel, SS316 overbraid	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X	X	X
80	**LTPBRD** galv steel, rubber coated, SS316 overbraid	✓	L	L	✓	✓	X	X	L	L	✓	✓	✓	✓	✓	✓	✓	L	✓	X	✓	✓
82	**FPRSS** PA6 corrugated, SS316 overbraid	✓	✓	✓	L	✓	X	✓	✓	X	✓	L	X	✓	✓	✓	✓	✓	✓	✓	X	X
82	**FPRTC** PA6 corrugated, tinned copper overbraid	✓	✓	✓	L	✓	X	✓	✓	X	✓	L	X	✓	✓	✓	✓	✓	X	X	X	X
82	**FPISS** PA12 corrugated, SS316 overbraid	✓	✓	✓	L	✓	L	✓	✓	X	✓	L	X	✓	L	L	✓	L	✓	✓	X	X
82	**FPIHSS** PA12 corrugated, SS316 overbraid	✓	✓	✓	L	✓	L	✓	✓	X	✓	L	X	✓	L	L	✓	L	✓	✓	X	X

key

✓ good resistance
L limited resistance
PP suitable with polypropylene fittings
SS suitable with stainless steel fittings
X poor resistance

www.flexicon.uk.com

metallic conduit and fittings



Visit our website and use our conduit selector tool to see chemical resistance properties.

HYDROGEN PEROXIDE (30%)	HYDROGEN PEROXIDE (60%)	LACTIC ACID	LUBRICATING OIL	METHANOL	METHYL BROMIDE	MEK	NITRIC ACID (10%)	NITRIC ACID (60%)	OXALIC ACID	OZONE (GAS)	PARAFFIN OIL	PETROL	PHENOL	SEA WATER	SILVER NITRATE	SKYDROL	SODIUM CHLORIDE	SODIUM HYDROXIDE (10%)	SODIUM HYDROXIDE (60%)	SULPHUR DIOXIDE (GAS)	SULPHURIC ACID (10%)	TOLUENE	TRANSFORMER OIL	1,1,1-TRICHLOROETHANE	TRICHLOROETHYLENE	TURPENTINE	VEGETABLE OIL	VINYL ACETATE	WATER	WHITE SPIRIT	ZINC CHLORIDE	
×	×	×	✓	✓	✓	✓	×	×	×	×	✓	✓	✓	×	×	✓	×	×	×	×	×	✓	✓	×	×	✓	✓	×	×	✓	×	**FU** galvanised steel
✓	✓	✓	✓	✓	✓	✓	×	×	✓	✓	✓	✓	✓	SS	✓	✓	SS	✓	L	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	**SSU** stainless steel, grade 316
✓	✓	L	L	×	×	×	✓	✓	×	L	L	×	×	×	✓	×	×	✓	L	×	×	×	L	×	×	L	L	×	✓	L	✓	**FSU** galvanised steel, pvc coated
×	×	L	✓	L	×	✓	×	×	L	×	✓	✓	×	×	✓	✓	×	✓	✓	×	×	✓	✓	✓	L	✓	✓	L	✓	✓	×	**FNU** galvanised steel, nylon coated
×	×	✓	L	×	×	×	✓	×	✓	✓	×	×	×	×	✓	×	✓	✓	✓	×	×	L	L	L	L	×	L	×	✓	×	✓	**LFHU** galvanised steel, LFH coated
L	×	L	L	L	×	L	×	×	L	L	L	✓	×	×	L	×	✓	L	×	L	L	×	L	×	×	×	✓	×	✓	L	L	**FPU** galvanised steel, polyurethane coated
L	×	L	✓	×	×	L	L	×	✓	L	×	L	L	SS	✓	×	SS	✓	✓	×	SS	×	L	×	×	L	✓	×	✓	L	×	**LTP/LTPAS** galv steel, pvc coated, liquid tight
L	×	L	L	✓	L	✓	✓	✓	✓	L	✓	✓	✓	SS	✓	✓	SS	✓	×	✓	SS	×	×	L	×	×	✓	✓	✓	×	✓	**LTPHC** galv steel, thermoplastic rubber, liquid tight
L	×	L	✓	×	×	×	L	×	✓	L	✓	✓	L	SS	✓	×	SS	✓	✓	×	SS	×	L	×	×	L	✓	×	✓	L	×	**LTPUL** galv steel, pvc coated, liquid tight
L	×	L	L	×	×	×	L	×	✓	L	L	✓	L	SS	✓	×	SS	✓	✓	×	SS	×	L	×	×	L	L	×	✓	L	×	**LTPLFH** galv steel, LFH coated, liquid tight
L	×	L	✓	×	×	×	L	×	✓	L	✓	✓	L	SS	✓	×	SS	✓	✓	×	SS	×	L	×	×	L	✓	×	✓	L	×	**LTPSS** stainless steel, pvc coated, liquid tight
L	×	L	L	L	×	L	×	×	L	L	L	✓	×	SS	L	×	✓	L	×	L	L	×	L	×	×	×	✓	×	✓	L	L	**LTPPU/LTPPUAS** galv steel, polyurethane coated, liquid tight
L	×	L	✓	×	×	L	L	×	✓	L	✓	✓	L	SS	✓	×	SS	✓	✓	×	SS	×	L	×	×	L	✓	×	✓	L	×	**LTBRDP** galv steel, braided core, pvc coated, liquid tight
×	×	✓	L	×	×	×	✓	×	✓	✓	×	×	×	SS	✓	×	✓	✓	✓	×	×	L	L	L	L	×	L	×	✓	×	✓	**LTBRDLFH** galv steel, braided core, LFH coated, liquid tight
×	×	×	✓	✓	✓	✓	×	×	×	×	✓	✓	✓	×	×	✓	×	×	×	×	×	✓	✓	×	×	✓	✓	×	×	✓	×	**FL** galvanised steel, pliable
✓	✓	L	L	×	×	×	✓	✓	L	L	L	×	L	L	✓	×	L	✓	L	×	×	×	L	×	×	L	L	×	✓	L	✓	**FLP** galvanised steel, pvc coated, pliable
×	×	✓	L	×	×	×	✓	×	✓	✓	×	×	×	L	✓	×	✓	✓	✓	×	×	L	L	L	L	×	L	×	✓	×	✓	**LFHP** galvanised steel, LFH coated, pliable
×	×	×	L	×	×	×	×	×	×	×	L	×	×	×	×	×	×	×	×	×	×	×	L	×	×	L	L	×	×	L	×	**FSB** galv steel, pvc, galv steel overbraid
×	×	✓	L	×	×	×	✓	×	✓	✓	×	×	×	×	✓	×	✓	✓	✓	×	×	L	L	L	L	×	L	×	✓	×	✓	**LFHUBRD** galv steel, LFH coated, SS316 overbraid
×	×	×	✓	✓	✓	✓	×	×	×	×	✓	✓	✓	×	×	✓	×	×	×	×	×	✓	✓	×	×	✓	✓	×	×	✓	×	**FB** galvanised steel, galv steel overbraid
×	×	×	✓	✓	✓	✓	×	×	×	×	✓	✓	✓	×	×	✓	×	×	×	×	×	✓	✓	×	×	✓	✓	×	×	✓	×	**FUSSB** galvanised steel, SS316 overbraid
L	×	L	L	✓	L	✓	✓	✓	✓	L	✓	✓	✓	L	✓	✓	SS	✓	×	✓	SS	×	×	L	×	×	✓	✓	✓	×	✓	**LTPBRD** galv steel, rubber coated, SS316 overbraid
×	×	L	✓	L	×	✓	×	×	L	×	✓	✓	×	L	✓	✓	✓	✓	✓	×	×	✓	✓	✓	L	✓	✓	L	✓	✓	×	**FPRSS** PA6 corrugated, SS316 overbraid
×	×	×	✓	L	×	✓	×	×	×	×	✓	✓	×	×	×	×	×	×	×	×	×	✓	✓	×	L	✓	×	L	✓	✓	×	**FPRTC** PA6 corrugated, tinned copper overbraid
×	×	L	✓	L	×	✓	×	×	L	×	✓	✓	×	L	✓	✓	✓	✓	L	×	×	✓	✓	✓	×	✓	✓	L	✓	✓	×	**FPISS** PA12 corrugated, SS316 overbraid
×	×	L	✓	L	×	✓	×	×	L	×	✓	✓	×	L	✓	✓	✓	✓	L	×	×	✓	✓	✓	×	✓	✓	L	✓	✓	×	**FPIHSS** PA12 corrugated, SS316 overbraid

The chart above is based on exposure to single chemicals at room temperature and should be used as a selection guide. For additional chemicals, higher concentrations, elevated temperatures or combinations of chemicals, please call +44 (0)1675 466900 for technical advice.

chanhvinh.com

Thread Data and Cable Carrying Capacity

metric

standard thread conforming to EN60423

Thread size	External thread outside diameter (mm)	Internal thread inside diameter (mm)	Pitch mm
M12	12.0	10.4	1.5
M16	16.0	14.4	1.5
M20	20.0	18.4	1.5
M25	25.0	23.4	1.5
M32	32.0	30.4	1.5
M40	40.0	38.4	1.5
M50	50.0	48.4	1.5
M63	63.0	61.4	1.5
M75	75.0	73.4	1.5

PG

German standard thread conforming to DIN40430

Thread size	External thread outside diameter (mm)	Internal thread inside diameter (mm)	Pitch mm
PG7	12.5	11.3	1.27
PG9	15.2	13.9	1.41
PG11	18.6	17.3	1.41
PG13.5	20.4	19.1	1.41
PG16	22.5	21.2	1.41
PG21	28.3	26.8	1.59
PG29	37.0	35.5	1.59
PG36	47.0	45.5	1.59
PG42	54.0	52.5	1.59
PG48	59.3	57.8	1.59

NPT

American taper pipe thread conforming to ANS/ASME B1.20.1 - 1983

Thread size (inches)	External thread outside diameter (mm)	Pitch mm
⅜"	16.7	1.14
½"	21.0	1.81
¾"	26.4	1.81
1"	33.3	2.21
1¼"	41.9	2.21
1½"	47.8	2.21
2"	59.6	2.21

PF/ gas

Japanese conduit thread conforming to JIS B 0202

Thread size (inches)	External thread outside diameter (mm)	Internal thread inside diameter (mm)	Pitch mm
½"	21.0	18.6	1.81
¾"	26.4	24.1	1.81
1"	33.3	30.3	2.31
1¼"	41.9	39.0	2.31
1½"	47.8	44.8	2.31
2"	59.6	56.7	2.31

UNEF/UNS/UN

American unified thread conforming to BS1580 used on circular connectors

UNEF imperial sizes	Thread size (inches)	External thread outside diameter (mm)	Internal thread inside diameter (mm)	Pitch mm
⅝" - 24 UNEF	⅝"	15.9	14.7	1.06
¾" - 20 UNEF	¾"	19.1	17.7	1.27
⅞" - 20 UNEF	⅞"	22.2	20.9	1.27
1" - 20 UNEF	1"	25.4	24.0	1.27
1⅜" - 18 UNEF	1⅜"	30.2	28.6	1.41
1⅜" - 18 UNEF	1⅜"	34.9	33.4	1.41
1¼" - 18 UNEF	1¼"	31.8	30.2	1.41
1⅞" - 18 UNEF	1⅞"	36.5	35.0	1.41
1¾" - 18 UNS	1¾"	44.5	42.9	1.41
2" - 18 UNS	2"	50.8	49.3	1.41
2¼" - 18 UN	2¼"	57.2	55.4	1.41

cable carrying capacity

UK wiring regulations BS7671, recommend that the total cross sectional area of the sum of the individual cables should not exceed 40% of the cross sectional area of the conduit. The nominal cross sectional area of single-core, stranded, PVC insulated cables is provided as a guide only. Other cables may have different dimensions.

Nominal conductor size (mm^2)	Nominal overall cross sectional area (mm^2) of cable
1.0	6.6
1.5	7.6
2.5	9.6
4.0	14.5
6.0	18.8
10.0	29.3
16.0	40.2
25.0	63.8
35.0	83.5
50.0	113.0
70.0	149.0
95.0	204.0

Example: is LTP20 suitable for five 4.0mm^2 cables?

- The total cross sectional area of the conductors is 5 x 14.5mm^2 = 73mm^2
- The cross sectional area of LTP20 is 3.142 x $\left[\frac{\text{inside diameter}}{2}\right]^2$ = 201mm^2
- % of conduit cross sectional area $\frac{73}{201}$ = 36%

This is less than 40%; therefore this conduit is suitable for this combination of cables.

UK wiring regulations

UK wiring regulations BS7671 prohibit the use of flexible or pliable conduit as an earthing conductor.

Where conduits of 40mm and above penetrate fire barriers in buildings the wiring regulations stipulate that internal seals should be used to maintain fire resistance.

To meet the UK wiring regulations conduit should be self extinguishing unless they are to be buried or contained in non combustible material e.g: concrete or plaster.

Please telephone the Flexicon hotline for further guidance, +44 (0)1675 466900.

chanhvinh.com

IP Rating and Technical Guidance

IP ratings guide

(Ingress Protection to BS EN IEC 60529)

IP40

1st digit – protection against solid objects

0	No protection
1	Protected against objects greater than 50mm
2	Protected against objects greater than 12mm
3	Protected against objects greater than 2.5mm
4	Protected against objects greater than 1.0mm
5	Ingress of dust is not totally prevented but dust does not enter in harmful quantities
6	No ingress of dust

IP40

2nd digit – protection against water

0	No protection
1	Protected against falling drops
2	Protected against drops falling at 15°
3	Low pressure spray – similar to shower head at up to 60° from vertical
4	Low pressure spray – similar to shower head – from any angle for 5 minutes
5	Medium pressure jet – similar to garden hose – from any angle for 3 minutes
6	High pressure jet – similar to fire hose – from any angle for 3 minutes
7	Submersion at 1 metre for 30 minutes
8	Higher water pressure eg: 2 bar for 2 hours. Conduits are tested in-house at up to 10 bar. (equivalent to 100m underwater)
9	Steam clean, high pressure high temp jet wash

Buyer beware

IP tests are type tests of short duration and do not guarantee long term performance. EN 60529 states that equipment conforming to to IP67 or IP68 cannot be assumed to meet IP66 and that the manufacturer shall declare the pressure and duration of the test, for example, FPAX 2 bar for 2 hours.

Technical guidance

Application advice

Flexicon can offer impartial advice on which of our wide range of conduit systems is most suited to your application. Factors which may be important include:-

Standards, performance and approvals

- Compression strength
- Tensile strength
- Impact strength
- Temperature range
- Flexibility
- Fatigue life
- Electrical insulation or continuity
- IP rating
- Chemical resistance
- Corrosion resistance
- Abrasion resistance
- UV resistance
- Anti vibration
- Fire performance
- EMC screening
- Dimensions
- Weight
- Colours
- Ease of installation
- Anti tamper
- Hazardous Areas

Flexicon conduits and fittings are manufactured by Flexicon to comply with the IEC and European conduit standard BS EN IEC 61386 - see classification table below.

Certain tests are carried out internally by Flexicon, other testing is carried out externally by accredited test laboratories. Specific test reports are available upon request.

Vibration and shock testing to EN61373 Cat 2.

Certain conduit systems have been tested and approved to the relevant parts of the Australian Standard AS2053.

Where product performance data over and above the requirements of BS EN IEC 61386 is provided e.g: Low Fire Hazard testing and EMC screening, other appropriate standards have been used.

Cable glands are manufactured to EN 50262.

Further information regarding standards and approvals can be found on page 104.

Technical Data Sheets are available giving additional information. Please call +44 (0)1675 466900 for technical information and application advice.



3D CAD models can be downloaded from our website www.flexicon.uk.com



Flexicon has classified EMC screening of our products as follows;

STANDARD EMC SCREEN ★	ENHANCED EMC SCREEN ★★	SUPER EMC SCREEN ★★★
Standard 50dB @ IMHz	Enhanced 60dB @ IMHz	Super 70dB @ IMHz

Classification of conduit systems to BS EN IEC 61386

Level	1st digit Compression Strength N/50mm	2nd digit Impact Strength Joules at min temp	3rd digit Minimum Temp deg C	4th digit Maximum Temp deg C	5th digit Conduit Type	6th digit Electrical Properties	7th digit IP Rating Solids	8th digit IP Rating Water	9th digit Corrosion Resistance (water)	10th digit Tensile Strength N	11th digit Flame Propagation	12th digit Suspended Load N/48hr
0						None declared		0	None declared	None declared		
1	V. Light (125)	V. Light (0.5)	5	60	Rigid	Continuous		1	Low in & out	V. Light (100)	Non Flame Propagating	V. Light (20)
2	Light (320)	Light (1)	-5	90	Pliable	Insulating		2	Medium in & out	Light (250)	Flame Propagating	Light (30)
3	Medium (750)	Medium (2)	-15	105	Pliable self recoving	Continuous + Insulating	3	3	Medium in & high out	Medium (500)		Medium (150)
4	Heavy (1250)	Heavy (6)	-25	120	Flexible		4	4	High in & out	Heavy (1000)		Heavy (450)
5	V. Heavy (4000)	V. Heavy (20)	-45	150			5	5		V. Heavy (2500)		V. Heavy (850)
6				250			6	6				
7				400				7				

chanhvinh.com

Cutting and Assembly Guidance

Visit our website for instructional videos offering useful hints on how to speed up your conduit installation when using our products – **www.flexicon.uk.com**









Cutting Conduit

Non-Metallic



Non-metallic conduits and FLP up to 34mm can be easily cut with Flexicon Conduit Cutters, part no. CC01. Use CC02 for sizes up to 67mm. Drop the blade into a corrugation and squeeze and twist until conduit is cut 50% through. Cut the remaining 50% without twisting to achieve a square cut.

Metallic



Metallic conduits should be cut with a fine tooth (32 TPI) hacksaw or bandsaw. Ensure you make a straight vertical cut. Our clamping vice, part no. BSB makes the use of a hacksaw much easier.

Overbraided



Cutting of overbraided conduit is made much easier by tightly wrapping self adhesive tape around the conduit and sawing through the middle of the tape. The tape should be removed if EMC screening is required. Ensure you make a straight vertical cut.

Flexicon offer a bench mounted bandsaw designed to cut metallic conduit easily – see Page 89. Conduit length is measured under light tension. When cutting an exact number of lengths from a reel (e.g. 5 x 5m from 25m) please take into account the length tolerance of the reel and each cut length.

Non-Metallic Fittings

FPA Fitting



Our range of non-metallic conduit fittings, Flexilok®, FPA and FPAX are all push fit fittings which are quick to assemble once you have cut the conduit to length.

FPA



For Flexilok® and FPA fittings simply push the conduit into the end of the fitting with a slight twist until it will go no further. Pull back slightly to ensure the locking teeth mechanism has engaged with the corrugations.

FPAX



The FPAX fitting features a conduit seal to provide the ultimate IP rating up to IP69K. This simply fits onto the end of the conduit before the fitting is connected to the conduit. To aid assembly moisten this seal. An FPA fitting cannot be uprated to IP69K with the addition of a seal. Pull back slightly to ensure the locking teeth mechanism has engaged with the corrugations.

To remove the FPA or FPAX fittings simply insert a small screwdriver into the screwdriver slot and move the screwdriver handle towards the “off” position. Remove the screwdriver then manually twist the cap further towards the off position - the fitting can then be released from the conduit. Once removed, the fitting can be reused by simply twisting the cap so that the screwdriver slot lines up with the ON position.

chanhvinh.com

Cutting and Assembly Guidance

Metallic Fittings

FSU Conduit



Our fitting's components are supplied part assembled to illustrate how they go together. Our C type fittings consist of a compression nut, an elastomeric seal, an insert and a body.

Insert being fitted



Firstly place the back nut on the conduit followed by the seal (note the orientation). Next, screw the insert into the end of the conduit until this gives a secure fit.

Attaching the body



Bring the body to mate with the back nut. Metal fittings should be tightened with grips or spanner to ensure security and IP rating.

Braided Fittings

Type C Braided Fittings



Our type-C braided fittings consist of an outer compression nut, an inner compression nut, an elastomeric seal, an insert and a body. Firstly place the outer compression nut on the conduit as per 1. Remove the tape securing the braid and pull back to allow the inner compression nut to be fitted as per 2. Next, fit the elastomeric seal (note the orientation) and screw the insert into the end of the conduit until this gives a secure fit as per 3.

Bring the body to mate with the inner compression nut and secure. Next, bring the back shell to mate with the inner compression nut to secure the braid as per 4. Metal fittings should be tightened with grips or spanner to ensure securing and IP rating as per 5.

EMC Screening Using Pliable Conduit



FLP conduit with sheath trimmed back

To obtain EMC screening on pliable FLP conduit, the outer plastic sheath must be trimmed back prior to assembly of the fitting to ensure good electrical contact with the tapered bore of the fitting body as shown

FLEXILOK® Removal Tool



Snap in FLEXILOK® fittings can be removed by using a tool – see page 89

42 & 54mm FLEXILOK® can be removed using our hinged tool - see page 89

General

We recommend that RSW (Retained Sealing Washers) are used with plastic and metal threads to maintain IP rating between systems, see page 86.

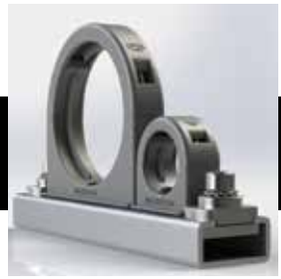
The easiest way of installing cables into flexible and pliable conduit is to simultaneously draw in the cables with the conduit in straight condition before installation.



For more handy tips visit our website www.flexicon.uk.com



chanhvinh.com



Conduit Mounting Options

Conduit Clips

Clip Mounting



Clips can be secured using the fixing hole in the base of the clip.

The clips can also be mounted and secured using a mounting rail.

The clip design has rail guides either side, allowing easy location.

To install, slide the FCL clip in from the end of the rail.

Fixing Conduit



Ensure the hinged lid is open and insert the conduit from above. The clip size is shown on the clip for easy reference. The clip provides a secure fit whether the hinge is open or closed. The FCL clip includes an internal rib to help locate and retain corrugated conduits. The FCL-P clips do not have this rib and can therefore be used with plain or smooth outer conduits.

Once the conduit is located, close the hinge and listen for a click. The clip does not rely on the hinge to retain the conduit in place however the lid increases conduit retention.

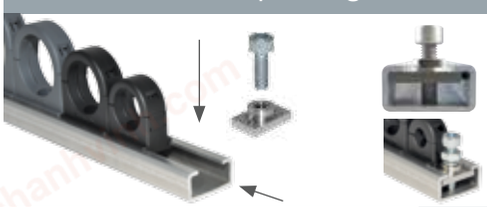
Simple Removal



To remove the conduit insert a small screwdriver where it states OPEN. Push down and lever to release. The hinge should then be free to open.

Mounting Rails

Basic Clip Fixing

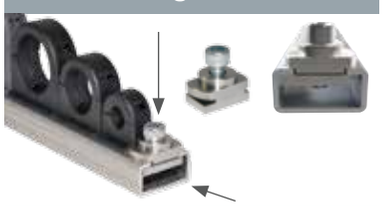


Slide the FCL or FCL-P clip in from the end of the mounting rail.

Move the clips into the desired position and use Mounting Rail Fixing Accessories (MRFA) to secure. The **MRFAL** can be inserted from above at any given position, or alternatively from the end of the rail.

Secure its position using a bolt. The bolt length will be dependant on the mounting rail depth used - consult us for more details. Tighten the bolt until secure. For anti-vibration performance add a spring washer and locking nut as shown above.

Other Fixing Accessories



The **MRFAM** products can be inserted from above at any given position along the rail or alternatively can be inserted from the end of the rail.

The **MFRAM** clamps onto the top rail to secure the fittings. This accessory can also be used to secure the F-Clamps products to the Mounting Rail.

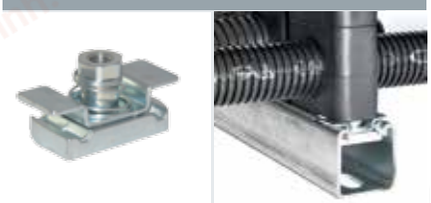
Other Fixing Accessories



The **MRFAH** products can be inserted from the end of the rail. The **MFRAH** has a serrated washer to offer anti-vibration performance. It clamps on the top rail to secure the fittings.

F-Clamp Options

Universal Adaptor



The Universal adaptor provides a mounting option for F-Clamps when used with various channel rails.

The Universal adaptor allows compatibility with other channel rails such as Unistrut®, Halfen and Hilti rails. For further details consult us or visit our website.

The F-Clamps products can be mounted (and stacked) securely. For further details contact us.

Accessories



The Cover plate sits on top of the F-Clamp and can be used to provide additional strength when using the F-Clamps.

For additional strength the F-Clamps can be mounted onto Weld plates. Flexicon can offer two versions. For further details consult us.

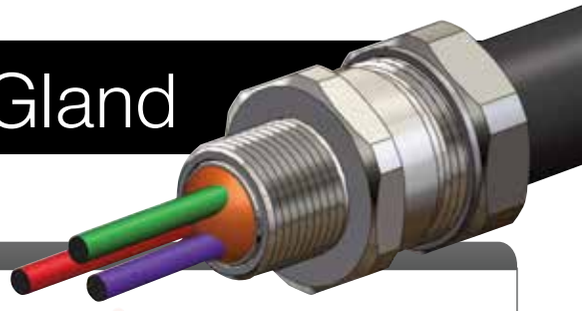
F-Clamp Stacking



The F-Clamps products can be mounted side by side and / or can be stacked vertically. This offers a flexible and adaptable method of support for different conduit sizes.

For stacking arrangements and stacking bolts contact us for further details.

Flexicon EXD Conduit Gland

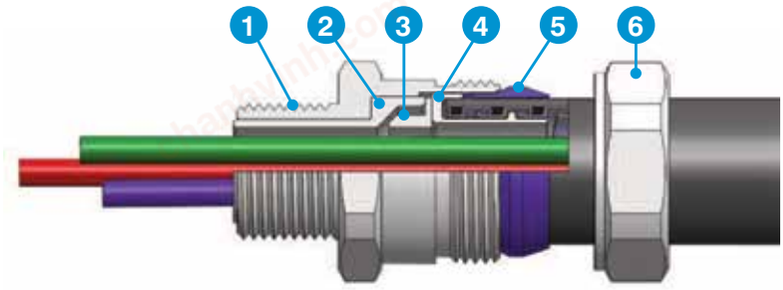


Installation Guide & Instructions

Technical data and specification.

Conduit Gland Components

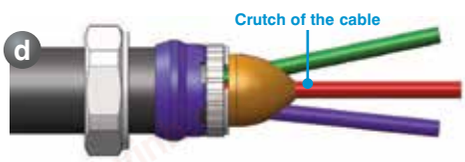
1. Entry Thread
2. Compound Tube
3. Washer
4. Conduit Insert
5. Conduit Seal
6. Compression Nut



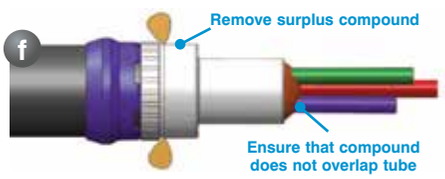
NOTE: For LTPB-EXD and LTP-EXD-90 & 45 installation instructions visit our website for further information.

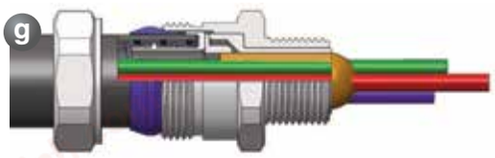












Installation instructions for Flexicon conduit gland type EXD

Please read all instructions carefully before beginning the installation

a Disconnect the Compression Nut (6) and remove the Conduit Seal (5) and Conduit Insert (4) from the gland. Slide the nut over the conduit, followed by the conduit seal (orientated as shown below) and screw the conduit insert into place.

b Remove the Compound Tube (2), and Washer (3) as an assembly from the Entry Item (1). Feed the prepared cable/cable cores through the flexible conduit and through the compound tube/washer assembly.

c Remove the compound tube. If the installation involves a cable, remove any bedding or fillers from around the cable cores. If the cable cores have screens, these should be unravelled and then twisted together to form a single core. Wearing the protective gloves supplied, mix all of the two-part epoxy compound (EP2122) until it is pliable and an even colour is achieved. The minimum temperature when mixing is 10°C. Ensure compound is within use-by date.

d Separate the cable cores and apply the compound to the crutch of the cable for a distance of about 6mm and pack into place. If a drain wire is present then it should be sleeved with some heat shrink tubing which is pushed into the compound before shrinking with the application of some heat. Screens that have been twisted together should be treated as a drain wire.

e Bring the cores together again and pack more compound around them to a length and diameter sufficient to fill the compound tube, ending in a taper.

f Pass the Compound Tube (2) over the conductors until the stepped end is fully located with the Washer (3). Pack more compound into place until the compound tube is fully filled.

g Re-install the conduit assembly into the entry item making sure the compound is not disturbed and loosely tighten the Compression Nut (6) onto the Entry Item (1). When the compound has cured the entry item should be removed from the assembly and fitted to the apparatus. The gland can then be refitted into it and the Compression Nut (6) finally tightened. Typical cure times are shown opposite.

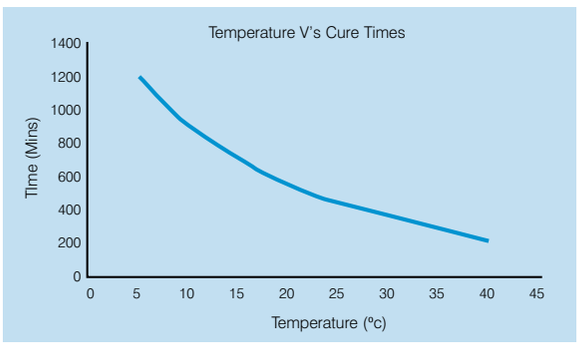
Installation Instructions

Installation should only be performed by a competent person using the correct tools. Read all instructions before beginning installation.

Special Conditions For Safe Use

1 The conduit gland ranges shall only be used where the temperature, at the point of entry, is in the following ranges: -60°C to +85°C.

2 The entry component threads may need additional sealing to maintain the ingress protection ratings as applicable to the associated equipment to which it is attached.



chanhvinh.com

Low Fire Hazard (LFH) Performance

LFH encompasses LSF (low smoke and fume) and LS0H (low smoke zero halogen)

Low Fire Hazard (LFH) conduit systems are becoming an increasing part of the specification in many cabling applications. Public buildings, high rise office blocks, hospital theatres and transport installations - these are just a few of the instances where Low Fire Hazard products may be required.

Low Fire Hazard systems are required to protect personnel and property in the event of a fire and may be demanded by specifiers, occupiers, building owners, fire services or even insurers.

At Flexicon we define a Low Fire Hazard product by having <u>all</u> of the following properties:

- **Highly Flame Retardant** to prevent a fire starting or limit its development if one does start.
- **Low Smoke** emission in the event of a fire to enable personnel to see their way to escape.
- **Low Toxicity** in the event of a fire to ensure personnel are not overcome during their escape.
- **Halogen Free** gives an indication of low smoke and low toxicity. It also rules out halogen acid gas emission - a fact that is of interest to insurers as acid smoke can destroy computer equipment and damage the structure of a building. Halogens are Fluorine, Chlorine, Bromine and Iodine.

Methods of Assessing Fire Performance



Flame Retardancy The minimum requirement is self-extinguishing according to the worldwide conduit system standard BS EN IEC 61386 where a vertical sample of conduit is exposed to a 1kW burner and must extinguish within 30 seconds of the removal of the flame. The char must not have travelled more than a certain distance up the sample and there must be no flaming droplets. Fittings are tested by means of a 750°C glow wire test.
To assess how flame retardant a material is, the normal test method is to measure the Limiting Oxygen Index (LOI) according to BS EN ISO 4589-2 which determines the percentage of oxygen that needs to be present to support combustion. The higher the LOI percentage, the greater the flame retardancy of the material. Oxygen present in normal air is approx. 21%.
Another method is the glow wire test, BS EN IEC 60695-2, which applies a glow wire to a plaque of material at 750°C, 850°C or 960°C.
UL94 is an Underwriters Laboratories standard that measures the rate of burning up a vertical test plaque, category V0 is the most flame retardant followed by V1 and V2. There is a category HB but this indicates that the material is flammable even along a horizontal test plaque.



Low Smoke emission There are a number of fire tests, mainly from the rail industry, where a specified sample of material is burnt under controlled conditions in a given size smoke chamber and the smoke obscuration of a defined beam of light is measured. Although the different tests are similar, the results and the requirements are different.



Low Toxicity There are a number of fire tests, mainly from the rail industry, where a specified sample of material is burnt under controlled conditions in a given size smoke chamber and the fumes are analysed for various gases, the concentration of each gas is then multiplied by its toxic potency to give a toxicity index. Although the different tests are similar, the results and the requirements are different.
If halogens, sulphur or phosphorus are present in a material, it is unlikely to pass the low toxicity tests.



Halogen Free The Halogens are fluorine, chlorine, bromine and iodine. Chlorine is the most common in PVC, fluorine is in fluoro-polymers and bromine appears in flame retardants. All of them give off highly toxic fumes and thick smoke. A material cannot be considered as Low Fire Hazard if it contains halogen. However a halogen free material is not necessarily Low Fire hazard as it may not be low toxicity, low smoke and highly flame retardant.
Halogen content is assessed by various chemical tests and analytical techniques.

Classification of Low Fire Hazard performance (LFH)

Inherently Low Fire Hazard

These products are made entirely from metals so there is no non-metallic material to burn or create smoke or toxic fumes.

Inherently Low Fire Hazard products include; FU, SSU, FB, FUSSB, FTCB and metal fittings.

Extra Low Fire Hazard

These products have a Limiting Oxygen Index of greater than 34% as well as being low smoke and low toxicity.

Extra Low Fire Hazard products include; LFHU, LFHUBRD, LTPLFH, LTBRDLFH, LFHP, FPR, FPRSS and FPRTC

Standard Low Fire Hazard

These products have a Limiting Oxygen Index of greater than 22% as well as being low smoke and low toxicity.

Standard Low Fire Hazard products include; FPAS, FPAH, FPI, FPISS, FPIH, FPIHSS and PA66 fittings.

Specifying Bodies

Flexicon provides Technical data sheets which give full details of product performance and test data on each product. Full independent test reports are available on request.

UK Rail uses BS6853 which includes tests for LOI, glow wire, smoke and toxicity. Minimum LOI for over ground trains is 28%.

London Underground uses BS6853 which includes tests for LOI, glow wire, smoke and toxicity with additional requirements within its own standard 1-085. Minimum LOI for underground trains is 34%. The following products have been approved by London Underground;

Certificate No. 296, conduit types FU, SSU and FUSSB.
Certificate No. 297, conduit types LFHU, LFHUBRD and LFHP.
Certificate No. 298, conduit types FPR and FPRSS.
Certificate No. 658, conduit type LTBRDLFH.
Certificate No. 2020, conduit type LTPLFH.
Certificate No. 2624, EXD barrier glands.

French Rail uses NF F 16-101/2 which gives an I (Ignition) and F (Fume) rating.

German Rail uses DIN 5510.

Italian Rail uses CEI 11170.

European Rail, there is now a new European rail fire standard, EN 45545, which will eventually replace national rail standards. This gives a HL (Hazard Level) classification.

Australian Rail uses AS/NZS 1530.3.

USA Rail uses ASTM E 162 and ASTM E 662.

UK Ministry of Defence uses Defence Standards 02-711 and 02-713.

Russian Fire Certificate No. 0642449



Flexicon Technical Data Sheets

Buyer Beware

It is unfortunate that the European standard writing organisation for cable management products has yet to prepare a classification standard for Low Fire Hazard products that would define terms, detail test methods and classify results. As a result there are many undefined terms used that may not be clearly understood.

To be Low Fire Hazard a product must display **ALL** of the following: Highly flame retardant, Low smoke emission, Low toxic fumes and Halogen free.

Terms such as Low Smoke and Fume (LSF) may not address Toxicity and Low Smoke Zero Halogen (LS0H) may not address flame retardancy.

Make sure your supplier can provide documented evidence for all four aspects of Low Fire Hazard performance.



chanhvinh.com

Standards and Approvals

Information

FM58347
BSEN ISO9001 2008

ISO 9001

Flexicon is accredited to ISO 9001 2008 by the British Standards Institution (BSI) for the design and manufacture of conduit systems and accessories. Certificate No FM58347.



BS EN IEC 61386

BS EN IEC 61386

BS EN IEC 61386 is the new worldwide standard for conduit systems and is superceding the previous European conduit standard EN 50086. Flexicon were one of the first companies in the UK to have its products tested to the new standard.

Our Technical Director, Ian Gibson, is the chairman of both the IEC (worldwide) and CENELEC (European) committees that prepare conduit standards.

CE

Flexicon are marked with the CE mark to show that they comply with the essential requirements of the relevant European Directives.

RoHS

All Flexicon's products meet the requirements of the European RoHS Directive, Restriction of Hazardous substances. This precludes the use of certain toxic materials and heavy metals.

REACH

All Flexicon products in the catalogue meet the requirement of the European REACH regulation, Regulation, Evaluation, Authorisation and restriction of Chemicals.

Lloyds Register of Shipping Type Approval

Specific conduit systems from Flexicon have Lloyds Register of Shipping Type Approval having been assessed for suitability for marine and other arduous applications.



Standards Australia (AS)

Standards Australia (AS)

Standards Australia is Australia's peak standards body. It co-ordinates standardisation activities, develops internationally aligned Australian Standards and facilitates the accreditation of other Standards Development Organisations. Certain conduit systems have been tested and approved to the relevant parts of the Australian Standard AS2053.

WEEE

Flexicon's conduit products are not covered by the European WEEE Directive, Waste Electrical and Electric Equipment.

chanhvinh.com

North American Approvals



Most of Flexicon's nylon conduits and fittings have UL (Underwriters Laboratories) recognition for component use within UL listed equipment. File No. E229161.

Some nylon conduits have cUL listing to the UL standard UL1660 and CSA standard C22.2 No. 227.2.1. File No. 246572.

Some nylon fittings have cUL listing to UL514B and CSA standard C22.2 No. 18.3-04. File No. E247502.

LTPUL conduit is UL listed to UL360 and CSA approved.

FPC conduits and MPC fittings are UL recognised to UL1696 and CSA standard 22.2 No. 227 for use in USA and Canada. File No. E229161.

We have tested a selection of our products for UV performance against UL 1660 test criteria (see UL Test Report No. 13CA50836)

Rail accreditations



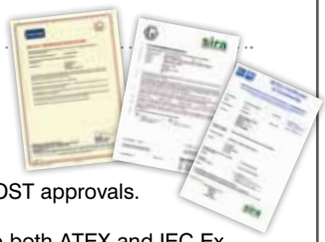
Flexicon's Low Fire Hazard conduits and fittings have been independently tested to following international rail fire standards.

France NFF 16-101/2, Germany DIN 5510, UK BS 6853, London Underground LUL 1-085 GM/RT2120, Australia/New Zealand AS/NZS 1530, European TS 45545.

Flexicon holds a wide range of Product Registration Certificates issued by Transport for London, London Underground Ltd.

Flexicon Ltd are fully registered as a Supplier on Link-up, Supplier number 093691.

Hazardous Area Approvals



Flexicon's EXD glands have been tested and accredited by SIRA to both ATEX IECEx Ex d, Ex e and Ex t applications. We also have GOST approvals.

Our LTP EX e fittings have been tested and accredited by Intertek to both ATEX and IEC Ex.

UK MOD

Flexicon is a registered supplier to the UK Ministry of Defence NCAGE No. U5256 and holds NATO codification numbers for specific conduits.

BEAMA Member

BEAMA Limited is the UK's trade body for manufacturers of electrical installation and cable management products. It stands for the British Electrotechnical and Allied Manufacturers Association.

Errors, omissions and amendments excepted

Information given in this catalogue is for guidance only as our policy is one of continuous development and specifications may change. Flexicon is not liable for claims arising from product misuse.

Terms and Conditions of Sale

Products are supplied subject to Flexicon terms and conditions of sale. These can be viewed on our website www.flexicon.uk.com

Part Index

Part Number	Page
B-038-M16	88
B-050-M20	88
B-050-M20-EXD	72
B-075-M20	88
B-075-M20-EXD	72
B-075-M25	88
B-075-M25-EXD	72
B-100-M32	88
B-100-M32-EXD	72
Bandsaw	89
Bandsaw Blades	89
BC16-M16-C	82
BC16-M16-S	82
BC16-PG11-S	82
BC21-M20-C	82
BC21-M20-C90	83
BC21-M20-S	82
BC21-PG16-S	82
BC28-M25-C	82
BC28-M25-S	82
BC28-PG21-S	82
BC34-M32-C	82
BC34-M32-S	82
BC34-PG29-S	82
BC42-M40-C	82
BC42-M40-S	82
BC54-M40-S	82
BC54-M50-C	82
B-M12	86
B-M16	86
B-M16-C	88
B-M16-CG	87
B-M16-DSP-EXD	73
B-M16-HSP-EXD	73
B-M16-M20	88
B-M16-M20-EXD	72
B-M16-PG11	88
B-M16-PG7	88
B-M16-PG9	88
B-M16-SP-EXD	73
B-M20	86
B-M20-C	88
B-M20-CG	87
B-M20-DSP-EXD	73
B-M20-EMC	86
B-M20-HSP-EXD	73
B-M20-M16	88
B-M20-M16-EXD	72
B-M20-M25	88
B-M20-M25-EXD	72
B-M20-PG11	88
B-M20-PG13	88
B-M20-PG16	88
B-M20-PG21	88
B-M20-PG7	88
B-M20-PG9	88
B-M20-SP-EXD	73
B-M25	86
B-M25-C	88
B-M25-CG	87
B-M25-DSP-EXD	73
B-M25-EMC	86
B-M25-HSP-EXD	73
B-M25-M20	88
B-M25-M20-EXD	72
B-M25-M32	88
B-M25-M32-EXD	72
B-M25-PG21	88
B-M25-SP-EXD	73
B-M32	86
B-M32-C	88
B-M32-CG	87
B-M32-DSP-EXD	73
B-M32-EMC	86
B-M32-HSP-EXD	73
B-M32-M20-EXD	72
B-M32-M25	88
B-M32-M25-EXD	72
B-M32-M40	88
B-M32-M40-EXD	72
B-M32-PG29	88
B-M32-SP-EXD	73
B-M40	86
B-M40-C	88
B-M40-CG	87
B-M40-DSP-EXD	73
B-M40-EMC	86
B-M40-HSP-EXD	73
B-M40-M32	88
B-M40-M32-EXD	72
B-M40-M48	88
B-M40-PG29	88
B-M40-SP-EXD	73
B-M50	86
B-M50-C	88
B-M50-CG	87
B-M50-DSP-EXD	73
B-M50-HSP-EXD	73
B-M50-M32	88
B-M50-M32-EXD	72
B-M50-M40	88
B-M50-M40-EXD	72
B-M50-PG36	88
B-M50-SP-EXD	73
B-M63	86
B-M63-C	88
B-M63-DSP-EXD	73
B-M63-HSP-EXD	73
B-M63-M40	88
B-M63-M40-EXD	72
B-M63-M50	88
B-M63-M50-EXD	72
B-M63-SP-EXD	73
B-M75	86
B-M75-C	88
BM90-16M	88
BM90-20M	88
BM90-25M	88
BM90-32M	88
BM90-40M	88
BM90-50M	88
BM90-PG7	88
B-PG11	86
B-PG11-M16	88
B-PG11-M20	88
B-PG11-PG13	88
B-PG11-PG7	88
B-PG11-PG9	88
B-PG13	86
B-PG13-M16	88
B-PG13-M20	88
B-PG13-PG11	88
B-PG13-PG16	88
B-PG13-PG7	88
B-PG13-PG9	88
B-PG16	86
B-PG16-M16	88
B-PG16-M20	88
B-PG16-M25	88
B-PG16-PG11	88
B-PG16-PG13	88
B-PG16-PG21	88
B-PG16-PG7	88
B-PG16-PG9	88
B-PG21	86
B-PG21-M20	88
B-PG21-M25	88
B-PG21-M32	88
B-PG21-PG11	88
B-PG21-PG13	88
B-PG21-PG16	88
B-PG21-PG29	88
B-PG29	86
B-PG29-M20	88
B-PG29-M25	88
B-PG29-M32	88
B-PG29-M40	88
B-PG29-PG16	88
B-PG29-PG21	88
B-PG29-PG36	88
B-PG36	86
B-PG36-M32	88
B-PG36-M40	88
B-PG36-PG29	88
B-PG42	86
B-PG42-PG36	88
B-PG48	86
B-PG48-PG36	88
B-PG7	86
B-PG7-M16	88
B-PG7-PG9	88
B-PG9	86
B-PG9-M16	88
B-PG9-M20	88
B-PG9-PG11	88
B-PG9-PG7	88
BSB	89
CC01	89
CC02	89
CGM16B	87
CGM16G	87
CGM16R	87
CGM16W	87
CGM20B	87
CGM20G	87
CGM20R	87
CGM20SB	87
CGM20SG	87
CGM20SR	87
CGM20SW	87
CGM20W	87
CGM25B	87
CGM25G	87
CGM25R	87
CGM25W	87
CGM32B	87
CS01	89
EC16B	87
EC21B	87
EC28B	87
EC34B	87
EC42B	87
EC54B	87
ET-M20	86
ET-M25	86
FB12-25M	78
FB12-M16-M	78
FB12-M16-S	78
FB12-P	79
FB12-PG9-M	78
FB12-PG9-S	78
FB16-25M	78
FB16-M16-M	78
FB16-M16-S	78
FB16-M20-M	78
FB16-M20-S	78
FB16-P	79
FB16-PG11-M	78
FB16-PG11-S	78
FB20-25M	78
FB20-M20-M	78
FB20-M20-S	78
FB20-P	79
FB20-PG16-M	78
FB20-PG16-S	78
FB25-25M	78
FB25-M25-M	78
FB25-M25-S	78
FB25-P	79
FB25-PG21-M	78
FB25-PG21-S	78
FB32-25M	78
FB32-M32-M	78
FB32-M32-S	78
FB32-P	79
FB32-PG29-M	78
FB32-PG29-S	78
FB40-10M	78
FB40-M40-M	78
FB40-M40-S	78
FB40-P	79
FB40-PG36-M	78
FB40-PG36-S	78
FB50-10M	78
FB50-M50-M	78
FB50-M50-S	78
FB50-P	79
FB50-PG48-M	78
FB50-PG48-S	78
FCC10	87
FCC10-SS	87
FCC12	87
FCC12-SS	87
FCC16	87
FCC16-SS	87
FCC20	87
FCC20-SS	87
FCC25	87
FCC25-SS	87
FCC32	87
FCC32-SS	87
FCC40	87
FCC40-SS	87
FCC50	87
FCC50-SS	87
FCC63	87
FCC75	87
FCL10	45
FCL13	45
FCL16	45
FCL16B-P	45
FCL18	45
FCL20	45
FCL20B-P	45
FCL20W	41
FCL20W-P	41
FCL21	45
FCL25	45
FCL25B-P	45
FCL25W	41
FCL25W-P	41
FCL28	45
FCL32	45
FCL33B-P	45
FCL34	45
FCL40	45
FCL42	45
FCL50	45
FCL54	45
FCLAMP-3-16	45
FCLAMP-3-21	45
FCLAMP-4-28	45
FCLAMP-5-34	45
FCLAMP-6-42	45
FCLAMP-7-54	45
FCLAMP-7-67	45
FCLAMP-8-80	45
FCLAMP-BOLT3	45
FCLAMP-BOLT4	45
FCLAMP-BOLT5	45
FCLAMP-BOLT6	45
FCLAMP-BOLT7	45
FCLAMP-BOLT8	45
FCLAMP-CP3	45
FCLAMP-CP4	45
FCLAMP-CP5	45
FCLAMP-CP6	45
FCLAMP-CP7	45
FCLAMP-CP8	45
FCLAMP-EWP3	45
FCLAMP-EWP4	45
FCLAMP-EWP5	45
FCLAMP-EWP6	45
FCLAMP-EWP7	45
FCLAMP-EWP8	45
FCLAMP-WP3	45
FCLAMP-WP4	45
FCLAMP-WP5	45
FCLAMP-WP6	45
FCLAMP-WP7	45
FCLAMP-WP8	45
FL20-25M	74
FL20-M20-C	74
FL25-25M	74
FL25-M25-C	74
FLK10-M12	38
FLK13-M16	38
FLK13-PG9	38
FLK16-FLK16	38
FLK16-M16	38
FLK16-M16-45	39
FLK16-M16-90	39
FLK16-M16-PP	39
FLK16-M20	38
FLK16-M20-45	39
FLK16-M20-90	39

Part Number	Page
FLK16-PG11	38
FLK16-PG13	38
FLK16-PL20	38
FLK20-FLK20	38
FLK20-FLK20W	41
FLK20-M20	38
FLK20-M20-45	39
FLK20-M20-90	39
FLK20-M20-90W	41
FLK20-M20-PP	39
FLK20-M20W	41
FLK20-PL20	38
FLK21-FLK21	38
FLK21-M20	38
FLK21-M20-45	39
FLK21-M20-90	39
FLK21-PG16	38
FLK21-PG16-90	39
FLK21-PL20	38
FLK25-FLK25	38
FLK25-FLK25W	41
FLK25-M25	38
FLK25-M25-45	39
FLK25-M25-90	39
FLK25-M25-90W	41
FLK25-M25-PP	39
FLK25-M25W	41
FLK25-PL25	38
FLK28-FLK28	38
FLK28-M25	38
FLK28-M25-45	39
FLK28-M25-90	39
FLK28-PG21	38
FLK28-PG21-90	39
FLK28-PL25	38
FLK34-FLK34	38
FLK34-M32	38
FLK34-M32-45	39
FLK34-M32-90	39
FLK34-M32-PP	39
FLK34-M32W	41
FLK34-PG29	38
FLK34-PG29-90	39
FLK34-PL32	38
FLK42-M40	38
FLK42-M40B	38
FLK42-M50B	38
FLK42RT	89
FLK54-M50	38
FLK54-M50B	38
FLK54-M63B	38
FLK54RT	89
FLP16B-25M	74
FLP16-M16-C	74
FLP16-M16-C-HS	75
FLP16-M16-F-HS	75
FLP20B-10M	74
FLP20B-25M	74
FLP20B-50M	74
FLP20-M20-C	74
FLP20-M20-C-HS	75
FLP20-M20-F-HS	75
FLP25B-10M	74
FLP25B-25M	74
FLP25B-50M	74
FLP25-M25-C	74
FLP25-M25-C-HS	75
FLP25-M25-F-HS	75
FLP32B-10M	74
FLP32B-25M	74
FLP32-M32-C	74
FLP32-M32-C-HS	75
FLP32-M32-F-HS	75
FLP40B-25M	74
FLP40-M40-C-HS	75
FLP40-M40-F-HS	75
FLP50B-20M	74
FLP50-M50-C-HS	75
FLP50-M50-F-HS	75
FNU16B-25M	60
FNU20B-25M	60
FNU25B-25M	60
FNU32B-10M	60
FPA10-M12	24
FPA10-M12-90	24
FPA10-M16	24
FPA10-PG7	24
FPA10-PG7-90	24
FPA10-PG9	24
FPA11-M12	24
FPA11-M12-90	24
FPA11-PG7	24
FPA13-BFM16	27
FPA13-BFM16-90	28
FPA13-BFPG9	27
FPA13-BFPG9-90	28
FPA13-BM16	27
FPA13-BM16-90	27
FPA13-BM16-CG	29
FPA13-BM16-CG-90	29
FPA13-BPG9	27
FPA13-BPG9-90	27
FPA13-M12	24
FPA13-M16	24
FPA13-M16-90	24
FPA13-M20	24
FPA13-PG11	24
FPA13-PG7	24
FPA13-PG9	24
FPA13-PG9-90	24
FPA13-R16	36
FPA13-R21	36
FPA13-R28	36
FPA16-038	24
FPA16-050	24
FPA16-050-45	25
FPA16-050-90	24
FPA16-13-13	36
FPA16-BFM16	27
FPA16-BFM16-90	28
FPA16-BFM20	27
FPA16-BFM20-45	28
FPA16-BFM20-90	28
FPA16-BFPG11	27
FPA16-BFPG11-90	28
FPA16-BFPG16	27
FPA16-BFPG16-45	28
FPA16-BFPG16-90	28
FPA16-BM16	27
FPA16-BM16-45	28
FPA16-BM16-90	27
FPA16-BM16-CG	29
FPA16-BM16-CG-45	29
FPA16-BM16-CG-90	29
FPA16-BM20	27
FPA16-BM20-45	28
FPA16-BM20-90	27
FPA16-BM20-CG	29
FPA16-BM20-CG-45	29
FPA16-BM20-CG-90	29
FPA16-BPG11	27
FPA16-BPG11-90	27
FPA16-BPG11-CG	29
FPA16-BPG13-45	28
FPA16-BPG16-45	28
FPA16-BPG16-CG	29
FPA16-BPG9	27
FPA16-BPG9-90	27
FPA16-BU075	24
FPA16-BU075-90	25
FPA16-BU100	24
FPA16-BU100-45	25
FPA16-BU100-90	25
FPA16-BU119	24
FPA16-BU119-45	25
FPA16-BU119-90	25
FPA16-FL	24
FPA16-FL-45	26
FPA16-FL-90	25
FPA16-FPA16	26
FPA16-M16	24
FPA16-M16-90	24
FPA16-M20	24
FPA16-M20-45	25
FPA16-M20-90	24
FPA16-MPC16	26
FPA16-PG11	24
FPA16-PG11-90	24
FPA16-PG13	24
FPA16-PG13-45	25
FPA16-PG13-90	24
FPA16-PG16	24
FPA16-PG9	24
FPA16-PG9-90	24
FPA16-R21	36
FPA16-R28	36
FPA16-R34	36
FPA16T	36
FPA18-M20	24
FPA18-M20-90	24
FPA18-PG13	24
FPA18-PG13-90	24
FPA18-PG16	24
FPA18-PG16-90	24
FPA20-FPA20	26
FPA20-M20	24
FPA20-M20-90	24
FPA20-R28	36
FPA20T	36
FPA21-050	24
FPA21-050-45	25
FPA21-050-90	24
FPA21-16-16	36
FPA21-BFM20	27
FPA21-BFM20-45	28
FPA21-BFM20-90	28
FPA21-BFPG16	27
FPA21-BFPG16-45	28
FPA21-BFPG16-90	28
FPA21-BM20	27
FPA21-BM20-45	28
FPA21-BM20-90	27
FPA21-BM20-CG	29
FPA21-BM20-CG-45	29
FPA21-BM20-CG-90	29
FPA21-BPG13	27
FPA21-BPG13-45	28
FPA21-BPG13-90	27
FPA21-BPG16	27
FPA21-BPG16-45	28
FPA21-BPG16-90	27
FPA21-BPG16-CG	29
FPA21-BU100	24
FPA21-BU100-45	25
FPA21-BU100-90	25
FPA21-BU119	24
FPA21-BU119-45	25
FPA21-BU119-90	25
FPA21-BU138	24
FPA21-BU138-45	25
FPA21-BU138-90	25
FPA21-FL	24
FPA21-FL-45	26
FPA21-FL-90	25
FPA21-FPA21	26
FPA21-M20	24
FPA21-M20-45	25
FPA21-M20-90	24
FPA21-M20-SBCA	85
FPA21-MPC20	26
FPA21-PG13	24
FPA21-PG13-45	25
FPA21-PG13-90	24
FPA21-PG16	24
FPA21-PG16-45	25
FPA21-PG16-90	24
FPA21-R28	36
FPA21-R34	36
FPA21-R42	36
FPA21T	36
FPA25-FPA25	26
FPA25-M25	24
FPA25-M25-90	24
FPA25-R28	36
FPA28-075	24
FPA28-075-45	25
FPA28-075-90	24
FPA28-21-21	36
FPA28-BFM25	27
FPA28-BFM25-45	28
FPA28-BFM25-90	28
FPA28-BFPG21	27
FPA28-BFPG21-45	28
FPA28-BFPG21-90	28
FPA28-BM25	27
FPA28-BM25-45	28
FPA28-BM25-90	27
FPA28-BM25-CG	29
FPA28-BM25-CG-45	29
FPA28-BM25-CG-90	29
FPA28-BPG21	27
FPA28-BPG21-45	28
FPA28-BPG21-90	27
FPA28-BPG21-CG	29
FPA28-BU144	24
FPA28-BU144-45	25
FPA28-BU144-90	25
FPA28-BU175	24
FPA28-BU175-45	25
FPA28-BU175-90	25
FPA28-FL	24
FPA28-FL-45	26
FPA28-FL-90	25
FPA28-FPA28	26
FPA28-M25	24
FPA28-M25-45	25
FPA28-M25-90	24
FPA28-M25-SBCA	85
FPA28-M32	24
FPA28-MPC25	26
FPA28-PG21	24
FPA28-PG21-45	25
FPA28-PG21-90	24
FPA28-PG29	24
FPA28-R34	36
FPA28-R42	36
FPA28T	36
FPA34-100	24
FPA34-100-45	25
FPA34-100-90	24
FPA34-28-28	36
FPA34-BFM32	27
FPA34-BFM32-45	28
FPA34-BFM32-90	28
FPA34-BFPG29	27
FPA34-BFPG29-45	28
FPA34-BFPG29-90	28
FPA34-BM32	27
FPA34-BM32-45	28
FPA34-BM32-90	27
FPA34-BM32-CG	29
FPA34-BM32-CG-45	29
FPA34-BM32-CG-90	29
FPA34-BPG29	27
FPA34-BPG29-45	28
FPA34-BPG29-90	27
FPA34-BPG29-CG	29
FPA34-BU175	24
FPA34-BU175-45	25
FPA34-BU175-90	25
FPA34-FL	24
FPA34-FL-45	26
FPA34-FL-90	25
FPA34-FPA34	26
FPA34-M32	24
FPA34-M32-45	25
FPA34-M32-90	24
FPA34-M32-SBCA	85
FPA34-M40	24
FPA34-MPC32	26
FPA34-PG29	24
FPA34-PG29-45	25
FPA34-PG29-90	24
FPA34-R42	36
FPA34T	36
FPA42-125	24
FPA42-125-90	24
FPA42-150	24
FPA42-150-45	25
FPA42-150-90	24
FPA42-BFM40	27
FPA42-BFM50-45	28
FPA42-BFM50-90	28
FPA42-BM40	27
FPA42-BM40-CG	29
FPA42-BM40-CG-45	29

chanhvinh.com

Part Index

Part Number	Page
FPA42-BM40-CG-90	29
FPA42-BM50	27
FPA42-BM50-45	28
FPA42-BM50-90	27
FPA42-BU200	24
FPA42-BU200-45	25
FPA42-BU200-90	25
FPA42-BU225	24
FPA42-BU225-45	25
FPA42-BU225-90	25
FPA42-FL	24
FPA42-FL-45	26
FPA42-FL-90	25
FPA42-M40	24
FPA42-M40-90	24
FPA42-M40-SBCA	85
FPA42-M50	24
FPA42-M50-45	25
FPA42-M50-90	24
FPA42-MPC40	26
FPA42-PG36	24
FPA42-PG36-45	25
FPA42-PG36-90	24
FPA42T	36
FPA54-150	24
FPA54-150-45	25
FPA54-150-90	24
FPA54-200	24
FPA54-200-90	24
FPA54-BFM50	27
FPA54-BFM50-45	28
FPA54-BFM50-90	28
FPA54-BM50	27
FPA54-BM50-45	28
FPA54-BM50-90	27
FPA54-BM50-CG	29
FPA54-BM50-CG-45	29
FPA54-BM50-CG-90	29
FPA54-BM63	27
FPA54-BU200	24
FPA54-BU200-45	25
FPA54-BU200-90	25
FPA54-BU225	24
FPA54-BU225-45	25
FPA54-BU225-90	25
FPA54-FL-45	26
FPA54-FL-90	25
FPA54-FPA54	26
FPA54-M50	24
FPA54-M50-45	25
FPA54-M50-90	24
FPA54-M63	24
FPA54-M63-90	24
FPA54-PG42	24
FPA54-PG48	24
FPA54-PG48-90	24
FPA67-200	24
FPA67-200-90	24
FPA67-BM63	27
FPA67-M63	24
FPA67-M63-90	24
FPA67-PG48	24
FPA67-PG48-90	24
FPADS11-50M	21
FPADS13-50M	21
FPADS16-50M	21
FPADS21-50M	21
FPADS28-50M	21
FPADS34-25M	21
FPADS42-25M	21
FPADS54-25M	21
FPAH13-50M	20
FPAH16-50M	20
FPAH21-50M	20
FPAH25-50M	20
FPAH28-50M	20
FPAH34-25M	20
FPAH42-25M	20
FPAH54-25M	20
FPAL10-50M	20
FPAL11-50M	20
FPAL13-50M	20
FPAL16-50M	20
FPAL18-50M	20
FPAL20-50M	20
FPAL21-50M	20
FPAL25-50M	20
FPAL28-50M	20
FPAL34-25M	20
FPAL34-50M	20
FPAL42-25M	20
FPAL54-25M	20
FPAL67-10M	20
FPAS10-50M	20
FPAS11-50M	20
FPAS13-50M	20
FPAS16-25M	20
FPAS16-50M	20
FPAS18-50M	20
FPAS20-50M	20
FPAS21-25M	20
FPAS21-50M	20
FPAS21CB-50M	20
FPAS25-50M	20
FPAS28-25M	20
FPAS28-50M	20
FPAS28C-50M	20
FPAS34-25M	20
FPAS34-50M	20
FPAS34FB-25M	20
FPAS42-10M	20
FPAS42-25M	20
FPAS54-10M	20
FPAS54-25M	20
FPAS67-10M	20
FPAS-CP21B	91
FPAS-CP25B	91
FPAX13-BFM16	33
FPAX13-BFM16-90	34
FPAX13-BFPG9	33
FPAX13-BFPG9-90	34
FPAX13-BM16	33
FPAX13-BM16-90	33
FPAX13-BM16-CG	35
FPAX13-BM16-CG-90	35
FPAX13-BPG9	33
FPAX13-BPG9-90	33
FPAX13-M16	30
FPAX13-M16-90	31
FPAX13-PG9	30
FPAX13-PG9-90	31
FPAX13-R16	37
FPAX16-038	30
FPAX16-050	30
FPAX16-050-45	32
FPAX16-050-90	31
FPAX16-13-13	37
FPAX16-BFM16	33
FPAX16-BFM16-90	34
FPAX16-BFM20	33
FPAX16-BFM20-45	34
FPAX16-BFM20-90	34
FPAX16-BFPG11	33
FPAX16-BFPG11-90	34
FPAX16-BFPG16	33
FPAX16-BFPG16-45	34
FPAX16-BFPG16-90	34
FPAX16-BM16	33
FPAX16-BM16-45	34
FPAX16-BM16-90	33
FPAX16-BM16-CG	35
FPAX16-BM16-CG-45	35
FPAX16-BM16-CG-90	35
FPAX16-BM20	33
FPAX16-BM20-45	34
FPAX16-BM20-90	33
FPAX16-BM20-CG	35
FPAX16-BM20-CG-45	35
FPAX16-BM20-CG-90	35
FPAX16-BPG11	33
FPAX16-BPG11-90	33
FPAX16-BPG11-CG	35
FPAX16-BPG13-45	34
FPAX16-BPG16-45	34
FPAX16-BPG16-CG	35
FPAX16-BPG9	33
FPAX16-BPG9-90	33
FPAX16-BU075	30
FPAX16-BU075-90	31
FPAX16-BU100	30
FPAX16-BU100-45	32
FPAX16-BU100-90	31
FPAX16-BU119	30
FPAX16-BU119-45	32
FPAX16-BU119-90	31
FPAX16-FL	30
FPAX16-FL-45	32
FPAX16-FL-90	31
FPAX16-M16	30
FPAX16-M16-90	31
FPAX16-M20	30
FPAX16-M20-45	32
FPAX16-M20-90	31
FPAX16-PG11	30
FPAX16-PG11-90	31
FPAX16-PG13	30
FPAX16-PG13-45	32
FPAX16-PG13-90	31
FPAX16-PG9	30
FPAX16-R21	37
FPAX16-R28	37
FPAX16-R34	37
FPAX16T	37
FPAX21-050	30
FPAX21-050-45	32
FPAX21-050-90	31
FPAX21-16-16	37
FPAX21-BFM20	33
FPAX21-BFM20-45	34
FPAX21-BFM20-90	34
FPAX21-BFPG16	33
FPAX21-BFPG16-45	34
FPAX21-BFPG16-90	34
FPAX21-BM20	33
FPAX21-BM20-45	34
FPAX21-BM20-90	33
FPAX21-BM20-CG	35
FPAX21-BM20-CG-45	35
FPAX21-BM20-CG-90	35
FPAX21-BPG13	33
FPAX21-BPG13-45	34
FPAX21-BPG13-90	33
FPAX21-BPG16	33
FPAX21-BPG16-45	34
FPAX21-BPG16-90	33
FPAX21-BPG16-CG	35
FPAX21-BU100	30
FPAX21-BU100-45	32
FPAX21-BU100-90	31
FPAX21-BU119	30
FPAX21-BU119-45	32
FPAX21-BU119-90	31
FPAX21-BU138	30
FPAX21-BU138-45	32
FPAX21-BU138-90	31
FPAX21-FL	30
FPAX21-FL-45	32
FPAX21-FL-90	31
FPAX21-M20	30
FPAX21-M20-45	32
FPAX21-M20-90	31
FPAX21-M20-SBCA	85
FPAX21-PG13	30
FPAX21-PG13-45	32
FPAX21-PG13-90	31
FPAX21-PG16	30
FPAX21-PG16-45	32
FPAX21-PG16-90	31
FPAX21-R28	37
FPAX21-R34	37
FPAX21-R42	37
FPAX21T	37
FPAX23-T	37
FPAX28-075	30
FPAX28-075-45	32
FPAX28-075-90	31
FPAX28-21-21	37
FPAX28-BFM25	33
FPAX28-BFM25-45	34
FPAX28-BFM25-90	34
FPAX28-BFPG21	33
FPAX28-BFPG21-45	34
FPAX28-BFPG21-90	34
FPAX28-BM25	33
FPAX28-BM25-45	34
FPAX28-BM25-90	33
FPAX28-BM25-CG	35
FPAX28-BM25-CG-45	35
FPAX28-BM25-CG-90	35
FPAX28-BPG21	33
FPAX28-BPG21-45	34
FPAX28-BPG21-90	33
FPAX28-BPG21-CG	35
FPAX28-BU144	30
FPAX28-BU144-45	32
FPAX28-BU144-90	31
FPAX28-BU175	30
FPAX28-BU175-45	32
FPAX28-BU175-90	31
FPAX28-FL	30
FPAX28-FL-45	32
FPAX28-FL-90	31
FPAX28-M25	30
FPAX28-M25-45	32
FPAX28-M25-90	31
FPAX28-M25-SBCA	85
FPAX28-PG21	30
FPAX28-PG21-90	31
FPAX28-PG29	30
FPAX28-R34	37
FPAX28-R42	37
FPAX28T	37
FPAX34-100	30
FPAX34-100-45	32
FPAX34-100-90	31
FPAX34-28-28	37
FPAX34-BFM32	33
FPAX34-BFM32-45	34
FPAX34-BFM32-90	34
FPAX34-BFPG29	33
FPAX34-BFPG29-45	34
FPAX34-BFPG29-90	34
FPAX34-BM32	33
FPAX34-BM32-45	34
FPAX34-BM32-90	33
FPAX34-BM32-CG	35
FPAX34-BM32-CG-45	35
FPAX34-BM32-CG-90	35
FPAX34-BPG29	33
FPAX34-BPG29-45	34
FPAX34-BPG29-90	33
FPAX34-BPG29-CG	35
FPAX34-BU175	30
FPAX34-BU175-45	32
FPAX34-BU175-90	31
FPAX34-FL	30
FPAX34-FL-45	32
FPAX34-FL-90	31
FPAX34-M32	30
FPAX34-M32-45	32
FPAX34-M32-90	31
FPAX34-M32-SBCA	85
FPAX34-M40	30
FPAX34-PG29	30
FPAX34-PG29-45	32
FPAX34-PG29-90	31
FPAX34-R42	37
FPAX34T	37
FPAX42-125	30
FPAX42-125-90	31
FPAX42-150	30
FPAX42-150-45	32
FPAX42-150-90	31
FPAX42-BFM40	33
FPAX42-BFM50-45	34
FPAX42-BFM50-90	34
FPAX42-BM40	33
FPAX42-BM40-CG	35
FPAX42-BM40-CG-45	35
FPAX42-BM40-CG-90	35
FPAX42-BM50	33
FPAX42-BM50-45	34
FPAX42-BM50-90	33
FPAX42-BU200	30
FPAX42-BU200-45	32
FPAX42-BU200-90	31

www.flexicon.uk.com

Part Number	Page
FPAX42-BU225	30
FPAX42-BU225-45	32
FPAX42-BU225-90	31
FPAX42-FL	30
FPAX42-FL-45	32
FPAX42-FL-90	31
FPAX42-M40	30
FPAX42-M40-90	31
FPAX42-M40-SBCA	85
FPAX42-M50	30
FPAX42-M50-45	32
FPAX42-M50-90	31
FPAX42-PG36	30
FPAX42-PG36-45	32
FPAX42-PG36-90	31
FPAX42T	37
FPAX54-150	30
FPAX54-150-45	32
FPAX54-150-90	31
FPAX54-200	30
FPAX54-200-90	31
FPAX54-BFM50	33
FPAX54-BFM50-45	34
FPAX54-BFM50-90	34
FPAX54-BM50	33
FPAX54-BM50-45	34
FPAX54-BM50-90	33
FPAX54-BM50-CG	35
FPAX54-BM50-CG-45	35
FPAX54-BM50-CG-90	35
FPAX54-BM63	33
FPAX54-BU200	30
FPAX54-BU200-45	32
FPAX54-BU200-90	31
FPAX54-BU225	30
FPAX54-BU225-45	32
FPAX54-BU225-90	31
FPAX54-M50	30
FPAX54-M50-45	32
FPAX54-M50-90	31
FPAX54-M63	30
FPAX54-M63-90	31
FPAX54-PG42	30
FPAX54-PG48	30
FPAX54-PG48-90	31
FPC12B-30M	46
FPC12BU-30M	46
FPC12G-30M	46
FPC12GN-30M	46
FPC12URB-30M	46
FPC16B-30M	46
FPC16BU-30M	46
FPC16G-30M	46
FPC16GN-30M	46
FPC16URB-30M	46
FPC20B-30M	46
FPC20BU-30M	46
FPC20G-30M	46
FPC20GN-30M	46
FPC20URB-30M	46
FPC25B-30M	46
FPC25BU-30M	46
FPC25G-30M	46
FPC25GN-30M	46
FPC25URB-30M	46
FPC30B-30M	46
FPC30G-30M	46
FPC30URB-30M	46
FPC32B-10M	46
FPC32B-30M	46
FPC32BU-10M	46
FPC32BU-30M	46
FPC32G-10M	46
FPC32G-30M	46
FPC32GN-10M	46
FPC32GN-30M	46
FPC32URB-10M	46
FPC32URB-30M	46
FPC40B-10M	46
FPC40B-30M	46
FPC40BU-10M	46
FPC40BU-30M	46
FPC40G-10M	46
FPC40G-30M	46
FPC40GN-10M	46
FPC40GN-30M	46
FPC40URB-10M	46
FPC40URB-30M	46
FPC50B-10M	46
FPC50B-30M	46
FPC50BU-10M	46
FPC50BU-30M	46
FPC50G-10M	46
FPC50G-30M	46
FPC50GN-10M	46
FPC50GN-30M	46
FPC50URB-10M	46
FPC50URB-30M	46
FPC63B-10M	46
FPC63B-30M	46
FPC63BU-10M	46
FPC63BU-30M	46
FPC63G-10M	46
FPC63G-30M	46
FPC63GN-10M	46
FPC63GN-30M	46
FPC63URB-10M	46
FPC63URB-30M	46
FPC-CP20B	91
FPC-CP25B	91
FPI13-50M	21
FPI16-50M	21
FPI21-50M	21
FPI28-50M	21
FPI34-25M	21
FPI42-25M	21
FPI54-25M	21
FPI67-10M	21
FPIH13B-50M	21
FPIH16B-50M	21
FPIH21B-50M	21
FPIH28B-50M	21
FPIH34B-25M	21
FPIH42B-25M	21
FPIH54B-25M	21
FPIHSS16-50M	82
FPIHSS21-50M	82
FPIHSS28-50M	82
FPIHSS34-25M	82
FPIHSS42-25M	82
FPIHSS54-25M	82
FPISS16-50M	82
FPISS21-50M	82
FPISS28-50M	82
FPISS34-25M	82
FPISS42-25M	82
FPISS54-25M	82
FPL16-100M	40
FPL20-100M	40
FPL20W-100M	41
FPL25-50M	40
FPL25W-50M	41
FPL32-25M	40
FPL-CP20W	91
FPL-CP25W	91
FPP10-50M	22
FPP10B-NFR-50M	22
FPP13-50M	22
FPP13B-NFR-50M	22
FPP16-50M	22
FPP16B-NFR-50M	22
FPP20-50M	22
FPP20B-NFR-50M	22
FPP20W-50M	41
FPP21-50M	22
FPP21B-NFR-50M	22
FPP25-50M	22
FPP25B-NFR-50M	22
FPP25W-50M	41
FPP26-50M	22
FPP26B-NFR-50M	22
FPP28-50M	22
FPP28B-NFR-50M	22
FPP34-50M	22
FPP34B-NFR-25M	22
FPP34W-50M	41
FPP42-25M	22
FPP42B-NFR-25M	22
FPP54-25M	22
FPP54B-NFR-25M	22
FPP67-10M	22
FPP67B-NFR-10M	22
FPP-CP20B	91
FPP-CP20G	91
FPP-CP25B	91
FPP-CP25G	91
FPPH20B-50M	22
FPPH21B-50M	22
FPPH25B-50M	22
FPPH28B-50M	22
FPPH34B-50M	22
FPPH42B-50M	22
FPPH54B-50M	22
FPPH67B-50M	22
FPPS10-50M	22
FPPS13-50M	22
FPPS16-50M	22
FPPS21-50M	22
FPPS25-50M	22
FPPS28-50M	22
FPPS34-25M	22
FPPS42-25M	22
FPPS54-25M	22
FPPS-TP21G	91
FPR10B-50M	21
FPR13B-50M	21
FPR16B-50M	21
FPR20B-50M	21
FPR21B-50M	21
FPR25B-50M	21
FPR28B-50M	21
FPR34B-50M	21
FPR42B-25M	21
FPR54B-25M	21
FPRSS16-50M	82
FPRSS21-50M	82
FPRSS28-50M	82
FPRSS34-50M	82
FPRSS42-25M	82
FPRSS54-25M	82
FPRTC16-50M	82
FPRTC21-50M	82
FPRTC28-50M	82
FPRTC34-50M	82
FPRTC42-25M	82
FPRTC54-25M	82
FPU12B-25M	62
FPU12B-25M	62
FPU16B-25M	62
FPU16B-25M	62
FPU16B-50M	62
FPU16B-50M	62
FPU20B-25M	62
FPU20B-25M	62
FPU20B-50M	62
FPU20B-50M	62
FPU25B-25M	62
FPU25B-25M	62
FPU32B-25M	62
FPU32B-25M	62
FPU40B-10M	62
FPU40B-10M	62
FPU50B-10M	62
FPU50B-10M	62
FPU63B-10M	62
FPU63B-10M	62
FPU75B-10M	62
FPU75B-10M	62
FPY10-50M	42
FPY106-10M	44
FPY12-50M	42
FPY16-50M	42
FPY20-50M	42
FPY25-50M	42
FPY28-50M	42
FPY32-25M	42
FPY40-25M	42
FPY50-25M	42
FPY80-10M	44
FPY8-50M	42
FPYE-CP20B	91
FPYE-CP25B	91
FPYL10B-100M	42
FPYL12B-100M	42
FPYL16B-100M	42
FPYL18B-100M	42
FPYL20B-100M	42
FPYL25B-100M	42
FPYL28B-50M	42
FPYL32B-50M	42
FPYL40B-50M	42
FPYL50B-50M	42
FPYL8B-100M	42
FPYLS10B-100M	42
FPYLS12B-100M	42
FPYLS16B-100M	42
FPYLS18B-100M	42
FPYLS20B-100M	42
FPYLS25B-100M	42
FPYLS28B-50M	42
FPYLS32B-50M	42
FPYLS40B-50M	42
FPYLS50B-50M	42
FPYLS8B-100M	42
FPYS10B-50M	42
FPYS12B-50M	42
FPYS16B-50M	42
FPYS20B-50M	42
FPYS25B-50M	42
FPYS28B-50M	42
FPYS32B-25M	42
FPYS40B-25M	42
FPYS50B-25M	42
FPYS8B-50M	42
FSB12-25M	76
FSB12-M16-M	76
FSB12-M16-S	76
FSB12-P	77
FSB12-PG9-M	76
FSB12-PG9-S	76
FSB16-25M	76
FSB16-BM16-CG	84
FSB16-M16-C	77
FSB16-M16-C90	77
FSB16-M16-C-S	77
FSB16-M16-M	76
FSB16-M16-S	76
FSB16-M20-C	77
FSB16-M20-C90	77
FSB16-M20-C-S	77
FSB16-M20-M	76
FSB16-M20-S	76
FSB16-P	77
FSB16-PG11-C	77
FSB16-PG11-M	76
FSB16-PG11-S	76
FSB16-PG13-C	77
FSB20-25M	76
FSB20-BM20-CG	84
FSB20-M20-C	77
FSB20-M20-C90	77
FSB20-M20-C-S	77
FSB20-M20-M	76
FSB20-M20-S	76
FSB20-P	77
FSB20-PG16-C	77
FSB20-PG16-M	76
FSB20-PG16-S	76
FSB25-25M	76
FSB25-BM25-CG	84
FSB25-M25-C	77
FSB25-M25-C90	77
FSB25-M25-C-S	77
FSB25-M25-M	76
FSB25-M25-S	76
FSB25-P	77
FSB25-PG21-C	77
FSB25-PG21-M	76
FSB25-PG21-S	76
FSB32-25M	76
FSB32-BM32-CG	84
FSB32-M32-C	77
FSB32-M32-C90	77
FSB32-M32-C-S	77
FSB32-M32-M	76
FSB32-M32-S	76

Part Index

Part Number	Page
FSB32-P	77
FSB32-PG29-C	77
FSB32-PG29-M	76
FSB32-PG29-S	76
FSB40-10M	76
FSB40-M40-M	76
FSB40-M40-S	76
FSB40-P	77
FSB40-PG36-M	76
FSB40-PG36-S	76
FSB50-10M	76
FSB50-M50-M	76
FSB50-M50-S	76
FSB50-P	77
FSB50-PG42-S	76
FSB50-PG48-M	76
FSU10B-25M	60
FSU10B-50M	60
FSU10-E	61
FSU10-M12-C	61
FSU10-M12-M	60
FSU10-M12-S	60
FSU10-P	60
FSU10-PG7-M	60
FSU10-PG7-S	60
FSU12B-25M	60
FSU12B-50M	60
FSU12-E	61
FSU12-M16-C	61
FSU12-M16-C90	61
FSU12-M16-C-S	61
FSU12-M16-M	60
FSU12-M16-S	60
FSU12-P	60
FSU12-PG9-C	61
FSU12-PG9-M	60
FSU12-PG9-S	60
FSU16-050-C	61
FSU16B-10M	60
FSU16B-25M	60
FSU16B-50M	60
FSU16-BM16-CG	84
FSU16-E	61
FSU16-FSU16	61
FSU16-M16-C	61
FSU16-M16-C90	61
FSU16-M16-C-S	61
FSU16-M16-F	61
FSU16-M16-M	60
FSU16-M16-S	60
FSU16-M20-C	61
FSU16-M20-C90	61
FSU16-M20-C-S	61
FSU16-M20-F	61
FSU16-M20-M	60
FSU16-M20-S	60
FSU16-P	60
FSU16-PG11-C	61
FSU16-PG11-M	60
FSU16-PG11-S	60
FSU16-PG13-C	61
FSU16-PG13-S	60
FSU20-050-C	61
FSU20B-10M	60
FSU20B-25M	60
FSU20B-50M	60
FSU20-BM20-CG	84
FSU20-E	61
FSU20-FSU20	61
FSU20-M20-C	61
FSU20-M20-C90	61
FSU20-M20-C-S	61
FSU20-M20-F	61
FSU20-M20-M	60
FSU20-M20-S	60
FSU20-P	60
FSU20-PG16-C	61
FSU20-PG16-M	60
FSU20-PG16-S	60
FSU25-075-C	61
FSU25B-10M	60
FSU25B-25M	60
FSU25B-50M	60
FSU25-BM25-CG	84
FSU25-E	61
FSU25-FSU25	61
FSU25-M25-C	61
FSU25-M25-C90	61
FSU25-M25-C-S	61
FSU25-M25-F	61
FSU25-M25-M	60
FSU25-M25-S	60
FSU25-P	60
FSU25-PG21-C	61
FSU25-PG21-M	60
FSU25-PG21-S	60
FSU32-100-C	61
FSU32B-10M	60
FSU32B-25M	60
FSU32-BM32-CG	84
FSU32-E	61
FSU32-FSU32	61
FSU32-M32-C	61
FSU32-M32-C90	61
FSU32-M32-C-S	61
FSU32-M32-F	61
FSU32-M32-M	60
FSU32-M32-S	60
FSU32-P	60
FSU32-PG29-C	61
FSU32-PG29-M	60
FSU32-PG29-S	60
FSU40B-10M	60
FSU40B-25M	60
FSU40-E	61
FSU40-M40-C	61
FSU40-M40-M	60
FSU40-M40-S	60
FSU40-P	60
FSU40-PG36-M	60
FSU40-PG36-S	60
FSU50B-10M	60
FSU50B-25M	60
FSU50-E	61
FSU50-M50-C	61
FSU50-M50-M	60
FSU50-M50-S	60
FSU50-P	60
FSU50-PG42-S	60
FSU50-PG48-M	60
FSU63B-10M	60
FSU63-E	61
FSU63-M63-M	60
FSU63-M63-S	60
FSU63-P	60
FSU75B-10M	60
FSU75-E	61
FSU75-M75-M	60
FSU75-P	60
FSU-CP20B	91
FTCB10-50M	85
FTCB12-50M	85
FTCB15	85
FTCB15-50M	85
FTCB20	85
FTCB20-50M	85
FTCB25	85
FTCB25-50M	85
FTCB30	85
FTCB30-25M	85
FTCB3-100M	85
FTCB35	85
FTCB35-25M	85
FTCB4-100M	85
FTCB50-25M	85
FTCB5-100M	85
FTCB6-100M	85
FU10-25M	58
FU10-50M	58
FU10-M12-M	58
FU10-M12-S	58
FU10-P	59
FU10-PG7-M	58
FU10-PG7-S	58
FU12-25M	58
FU12-50M	58
FU12-M16-M	58
FU12-M16-S	58
FU12-P	59
FU12-PG9-M	58
FU12-PG9-S	58
FU16-10M	58
FU16-25M	58
FU16-50M	58
FU16-M16-F	59
FU16-M16-M	58
FU16-M16-S	58
FU16-M20-F	59
FU16-M20-M	58
FU16-M20-S	58
FU16-P	59
FU16-PG11-M	58
FU16-PG11-S	58
FU16-PG13-S	58
FU20-10M	58
FU20-25M	58
FU20-50M	58
FU20-M20-F	59
FU20-M20-M	58
FU20-M20-S	58
FU20-P	59
FU20-PG16-M	58
FU20-PG16-S	58
FU25-10M	58
FU25-25M	58
FU25-50M	58
FU25-M25-F	59
FU25-M25-M	58
FU25-M25-S	58
FU25-P	59
FU25-PG21-M	58
FU25-PG21-S	58
FU32-10M	58
FU32-25M	58
FU32-M32-F	59
FU32-M32-M	58
FU32-M32-S	58
FU32-P	59
FU32-PG29-M	58
FU32-PG29-S	58
FU40-10M	58
FU40-25M	58
FU40-M40-M	58
FU40-M40-S	58
FU40-P	59
FU40-PG36-M	58
FU40-PG36-S	58
FU50-10M	58
FU50-25M	58
FU50-M50-M	58
FU50-M50-S	58
FU50-P	59
FU50-PG42-S	58
FU50-PG48-M	58
FU63-10M	58
FU63-M63-M	58
FU63-M63-S	58
FU63-P	59
FU75-10M	58
FU75-M75-M	58
FU75-P	59
FUSSB12-25M	78
FUSSB16-25M	78
FUSSB20-25M	78
FUSSB25-25M	78
FUSSB32-25M	78
FUSSB40-10M	78
FUSSB50-10M	78
FW12	86
FW16	86
FW20	86
FW25	86
FW32	86
FW40	86
FW50	86
FW63	86
FWPG11	86
FWPG13	86
FWPG16	86
FWPG21	86
FWPG29	86
FWPG36	86
FWPG48	86
FWPG7	86
FWPG9	86
HACKSAWBLADE	89
LFHP16B-25M	75
LFHP20B-25M	75
LFHP25B-25M	75
LFHP32B-25M	75
LFHP40B-25M	75
LFHP50B-25M	75
LFHU12B-25M	62
LFHU16B-25M	62
LFHU16B-50M	62
LFHU20B-25M	62
LFHU20B-50M	62
LFHU25B-25M	62
LFHU25B-50M	62
LFHU32B-10M	62
LFHU32B-25M	62
LFHU40B-10M	62
LFHU40B-25M	62
LFHU50B-10M	62
LFHU50B-25M	62
LFHU63B-10M	62
LFHU75B-10M	62
LFHUBRD20-25M	76
LFHUBRD25-25M	76
LFHUBRD32-25M	76
LFHUBRD40-10M	76
LM12-N	86
LM16-N	86
LM20-N	86
LM25-N	86
LM32-N	86
LM40-N	86
LM50-N	86
LM63-N	86
LPC12B-30M	48
LPC12BU-30M	48
LPC12G-30M	48
LPC12GN-30M	48
LPC12-M16-C	50
LPC12-M16-C90	50
LPC12O-30M	48
LPC16B-30M	48
LPC16-BM16-CG	84
LPC16BU-30M	48
LPC16G-30M	48
LPC16GN-30M	48
LPC16-M16-C	50
LPC16-M16-C90	50
LPC16-M16-C-FG	51
LPC16-M16-CSS	51
LPC16-M16-S	50
LPC16-M20-C	50
LPC16-M20-C90	50
LPC16-M20-CSS	51
LPC16-M20-CSS90	51
LPC16-M20-S	50
LPC16O-30M	48
LPC16-PG11-C	50
LPC16-PG13-C	50
LPC20B-10M	48
LPC20B-30M	48
LPC20-BM20-CG	84
LPC20BU-10M	48
LPC20BU-30M	48
LPC20G-10M	48
LPC20G-30M	48
LPC20GN-10M	48
LPC20GN-30M	48
LPC20-M20-C	50
LPC20-M20-C90	50
LPC20-M20-C-FG	51
LPC20-M20-CSS	51
LPC20-M20-CSS90	51
LPC20-M20-S	50
LPC20O-10M	48
LPC20O-30M	48
LPC20-PG16-C	50
LPC25B-10M	48
LPC25B-30M	48
LPC25-BM25-CG	84
LPC25BU-10M	48

Part Number	Page
LPC25BU-30M	48
LPC25G-10M	48
LPC25G-30M	48
LPC25GN-10M	48
LPC25GN-30M	48
LPC25-M25-C	50
LPC25-M25-C90	50
LPC25-M25-C-FG	51
LPC25-M25-CSS	51
LPC25-M25-CSS90	51
LPC25-M25-S	50
LPC25O-10M	48
LPC25O-30M	48
LPC25-PG21-C	50
LPC32B-10M	48
LPC32B-30M	48
LPC32-BM32-CG	84
LPC32BU-10M	48
LPC32BU-30M	48
LPC32G-10M	48
LPC32G-30M	48
LPC32GN-10M	48
LPC32GN-30M	48
LPC32-M32-C	50
LPC32-M32-C90	50
LPC32-M32-C-FG	51
LPC32-M32-CSS	51
LPC32-M32-CSS90	51
LPC32-M32-S	50
LPC32O-10M	48
LPC32O-30M	48
LPC32-PG29-C	50
LPC40B-10M	48
LPC40B-30M	48
LPC40BU-10M	48
LPC40BU-30M	48
LPC40G-10M	48
LPC40G-30M	48
LPC40GN-10M	48
LPC40GN-30M	48
LPC40-M40-C	50
LPC40-M40-C90	50
LPC40-M40-C-FG	51
LPC40-M40-CSS	51
LPC40O-10M	48
LPC40O-30M	48
LPC50B-10M	48
LPC50B-30M	48
LPC50BU-10M	48
LPC50BU-30M	48
LPC50G-10M	48
LPC50G-30M	48
LPC50GN-10M	48
LPC50GN-30M	48
LPC50-M50-C	50
LPC50-M50-C90	50
LPC50-M50-C-FG	51
LPC50-M50-CSS	51
LPC50O-10M	48
LPC50O-30M	48
LPC63B-10M	48
LPC63B-30M	48
LPC63BU-10M	48
LPC63BU-30M	48
LPC63G-10M	48
LPC63G-30M	48
LPC63GN-10M	48
LPC63GN-30M	48
LPC63-M63-C	50
LPC63-M63-C90	50
LPC63O-10M	48
LPC63O-30M	48
LTBRDLFH20B-25M	66
LTBRDLFH25B-25M	66
LTBRDLFH32B-25M	66
LTBRDP20B-25M	66
LTBRDP25B-25M	66
LTBRDP32B-25M	66
LTBRDP40B-10M	66
LTBRDP50B-10M	66
LTBRDP63B-10M	66
LTP10B-50M	64
LTP10-E	65
LTP10-M12-C	64
LTP10-M16-C	64
LTP12B-25M	64
LTP12B-50M	64
LTP12-E	65
LTP12-M16-C	64
LTP12-M16-C90	65
LTP12-M16-S	65
LTP12-PG9-C	64
LTP16-050-C	64
LTP16-050-EXD	68
LTP16-050-EXE	71
LTP16B-10M	64
LTP16B-25M	64
LTP16B-50M	64
LTP16-BM16-CG	84
LTP16-E	65
LTP16-M16-C	64
LTP16-M16-C90	65
LTP16-M16-CSS	67
LTP16-M16-EXE	71
LTP16-M16-EXE-45	71
LTP16-M16-EXE-90	71
LTP16-M16-S	65
LTP16-M20-C	64
LTP16-M20-C45	65
LTP16-M20-C90	65
LTP16-M20-CSS	67
LTP16-M20-CSS90	67
LTP16-M20-EXD	68
LTP16-M20-EXD-45	69
LTP16-M20-EXD-45	69
LTP16-M20-EXD-90	69
LTP16-M20-EXD-90	69
LTP16-M20-EXE	71
LTP16-M20-EXE-45	71
LTP16-M20-EXE-90	71
LTP16-M20-S	65
LTP16-PG11-C	64
LTP16-PG11-EXE	71
LTP16-PG13-C	64
LTP16-PG13-EXE	71
LTP20-050-C	64
LTP20-050-EXD	68
LTP20-050-EXD-SS	68
LTP20-050-EXE	71
LTP20B-10M	64
LTP20B-25M	64
LTP20B-50M	64
LTP20-BM20-CG	84
LTP20-E	65
LTP20-LTP20	65
LTP20-M20-C	64
LTP20-M20-C45	65
LTP20-M20-C90	65
LTP20-M20-CSS	67
LTP20-M20-CSS90	67
LTP20-M20-EXD	68
LTP20-M20-EXD-45	69
LTP20-M20-EXD-45	69
LTP20-M20-EXD-90	69
LTP20-M20-EXD-90	69
LTP20-M20-EXD-SS	68
LTP20-M20-EXE	71
LTP20-M20-EXE-45	71
LTP20-M20-EXE-90	71
LTP20-M20-S	65
LTP20-PG16-C	64
LTP20-PG16-EXE	71
LTP25-075-C	64
LTP25-075-EXD	68
LTP25-075-EXD-SS	68
LTP25-075-EXE	71
LTP25B-10M	64
LTP25B-25M	64
LTP25B-50M	64
LTP25-BM25-CG	84
LTP25-E	65
LTP25-LTP25	65
LTP25-M25-C	64
LTP25-M25-C45	65
LTP25-M25-C90	65
LTP25-M25-CSS	67
LTP25-M25-CSS90	67
LTP25-M25-EXD	68
LTP25-M25-EXD-45	69
LTP25-M25-EXD-45	69
LTP25-M25-EXD-90	69
LTP25-M25-EXD-90	69
LTP25-M25-EXD-SS	68
LTP25-M25-EXE	71
LTP25-M25-EXE-45	71
LTP25-M25-EXE-90	71
LTP25-M25-S	65
LTP25-PG21-C	64
LTP25-PG21-EXE	71
LTP32-100-C	64
LTP32-100-EXD	68
LTP32-100-EXD-SS	68
LTP32-100-EXE	71
LTP32B-10M	64
LTP32B-25M	64
LTP32-BM32-CG	84
LTP32-E	65
LTP32-M32-C	64
LTP32-M32-C45	65
LTP32-M32-C90	65
LTP32-M32-CSS	67
LTP32-M32-CSS90	67
LTP32-M32-EXD	68
LTP32-M32-EXD-45	69
LTP32-M32-EXD-45	69
LTP32-M32-EXD-90	69
LTP32-M32-EXD-90	69
LTP32-M32-EXD-SS	68
LTP32-M32-EXE	71
LTP32-M32-EXE-45	71
LTP32-M32-EXE-90	71
LTP32-M32-S	65
LTP32-PG29-C	64
LTP32-PG29-EXE	71
LTP40-125-EXD	68
LTP40-125-EXD-SS	68
LTP40-125-EXE	71
LTP40-175-C	64
LTP40B-10M	64
LTP40B-25M	64
LTP40-E	65
LTP40-M40-C	64
LTP40-M40-C45	65
LTP40-M40-C90	65
LTP40-M40-CSS	67
LTP40-M40-CSS90	67
LTP40-M40-EXD	68
LTP40-M40-EXD-45	69
LTP40-M40-EXD-45	69
LTP40-M40-EXD-90	69
LTP40-M40-EXD-90	69
LTP40-M40-EXD-SS	68
LTP40-M40-EXE	71
LTP40-M40-EXE-45	71
LTP40-M40-EXE-90	71
LTP40-M40-S	65
LTP40-PG36-C	64
LTP40-PG36-EXE	71
LTP50-150-EXD	68
LTP50-150-EXD-SS	68
LTP50-150-EXE	71
LTP50B-10M	64
LTP50B-25M	64
LTP50-E	65
LTP50-M50-C	64
LTP50-M50-C45	65
LTP50-M50-C90	65
LTP50-M50-CSS	67
LTP50-M50-CSS90	67
LTP50-M50-EXD	68
LTP50-M50-EXD-45	69
LTP50-M50-EXD-45	69
LTP50-M50-EXD-90	69
LTP50-M50-EXD-90	69
LTP50-M50-EXD-SS	68
LTP50-M50-EXE	71
LTP50-M50-EXE-45	71
LTP50-M50-EXE-90	71
LTP50-M50-S	65
LTP50-PG42-C	64
LTP50-PG42-EXE	71
LTP63-200-EXD	68
LTP63-200-EXD-SS	68
LTP63-200-EXE	71
LTP63-200-EXE-45	71
LTP63-200-EXE-90	71
LTP63B-10M	64
LTP63B-25M	64
LTP63-E	65
LTP63-M63-C	64
LTP63-M63-C45	65
LTP63-M63-C90	65
LTP63-M63-CSS	67
LTP63-M63-CSS90	67
LTP63-M63-EXD	68
LTP63-M63-EXD-45	69
LTP63-M63-EXD-45	69
LTP63-M63-EXD-90	69
LTP63-M63-EXD-90	69
LTP63-M63-EXD-SS	68
LTP63-M63-EXE	71
LTP63-M63-EXE-45	71
LTP63-M63-EXE-90	71
LTP63-PG48-C	64
LTP63-PG48-EXE	71
LTPAS16B-25M	64
LTPAS20B-25M	64
LTPAS25B-25M	64
LTPAS32B-25M	64
LTPAS40B-10M	64
LTPAS50B-10M	64
LTPAS63B-10M	64
LTPB16-BM16-CG	84
LTPB16-M16-C	80
LTPB16-M16-C90	81
LTPB16-M16-S	80
LTPB16-M20-C	80
LTPB16-M20-C90	81
LTPB16-M20-S	80
LTPB20-050-EXD	70
LTPB20-BM20-CG	84
LTPB20-M20-C	80
LTPB20-M20-C90	81
LTPB20-M20-EXD	70
LTPB20-M20-S	80
LTPB25-075-EXD	70
LTPB25-BM25-CG	84
LTPB25-M25-C	80
LTPB25-M25-C90	81
LTPB25-M25-EXD	70
LTPB25-M25-S	80
LTPB32-100-EXD	70
LTPB32-BM32-CG	84
LTPB32-M32-C	80
LTPB32-M32-C90	81
LTPB32-M32-EXD	70
LTPB32-M32-S	80
LTPB40-125-EXD	70
LTPB40-M40-C	80
LTPB40-M40-C90	81
LTPB40-M40-EXD	70
LTPB40-M40-S	80
LTPB50-150-EXD	70
LTPB50-M50-C	80
LTPB50-M50-C90	81
LTPB50-M50-EXD	70
LTPB50-M50-S	80
LTPBRD16-25M	80
LTPBRD20-25M	80
LTPBRD25-25M	80
LTPBRD32-25M	80
LTPBRD40-10M	80
LTPBRD50-10M	80
LTPHC12B-25M	64
LTPHC16B-25M	64
LTPHC20B-25M	64
LTPHC25B-25M	64
LTPHC32B-25M	64
LTPHC40B-10M	64
LTPHC50B-10M	64
LTPHC63B-10M	64
LTPLFH16B-25M	64
LTPLFH20B-10M	64
LTPLFH20B-25M	64
LTPLFH25B-10M	64
LTPLFH25B-25M	64

chanhvinh.com

Part Index

Part Number	Page
LTPLFH32B-10M	64
LTPPU10B-25M	66
LTPPU12B-25M	66
LTPPU16B-25M	66
LTPPU16BU-25M	66
LTPPU20B-25M	66
LTPPU20BU-25M	66
LTPPU25B-25M	66
LTPPU25BU-25M	66
LTPPU32B-25M	66
LTPPU32BU-25M	66
LTPPU40B-10M	66
LTPPU40BU-10M	66
LTPPU50B-10M	66
LTPPU50BU-10M	66
LTPPU63B-10M	66
LTPPU63BU-10M	66
LTPPUAS16B-25M	66
LTPPUAS20B-25M	66
LTPPUAS25B-25M	66
LTPPUAS32B-25M	66
LTPPUAS40B-10M	66
LTPPUAS50B-10M	66
LTPPUAS63B-10M	66
LTPSS16-25M	66
LTPSS20-25M	66
LTPSS25-25M	66
LTPSS32-10M	66
LTPSS40-10M	66
LTPSS50-10M	66
LTPSS63-10M	66
LTPUL16B-25M	64
LTPUL20B-25M	64
LTPUL25B-25M	64
LTPUL32B-15M	64
LTPUL40B-15M	64
LTPUL50B-15M	64
LTPUL63B-15M	64
LTS16SG-50M	47
LTS20SG-50M	47
LTS25SG-50M	47
LTS32SG-50M	47
MP-106-FL	44
MP-12-M16	43
MP-16-M16	43
MP-16-M20	43
MP-20-M20	43
MP-25-M25	43
MP-28-M25	43
MP-32-M32	43
MP-40-M40	43
MP-50-M50	43
MP-80-FL	44
MP90-106-FL	44
MP90-16-M16	43
MP90-16-M20	43
MP90-20-M20	43
MP90-25-M25	43
MP90-28-M25	43
MP90-32-M32	43
MP90-40-M40	43
MP90-80-FL	44
MPC-12-M16	46
MPC-12-PG9	46
MPC-16-050	46
MPC-16-050B	46
MPC-16-M16	46
MPC-16-M20	46
MPC-16-PG11	46
MPC-16-PG13	46
MPC-20-050	46
MPC-20-050B	46
MPC-20-M20	46
MPC-20-PG16	46
MPC-25-075	46
MPC-25-075B	46
MPC-25-M25	46
MPC-25-PG21	46
MPC-30-PG29	46
MPC-32-100	46
MPC-32-100B	46
MPC-32-M32	46
MPC-32-PG29	46
MPC-40-125	46
MPC-40-125B	46
MPC-40-M40	46
MPC-40-PG36	46
MPC45-16-050B	47
MPC45-16-M20	47
MPC45-20-050B	47
MPC45-20-M20	47
MPC45-25-075B	47
MPC45-25-M25	47
MPC45-32-100B	47
MPC45-32-M32	47
MPC-50-150B	46
MPC-50-M50	46
MPC-50-PG42	46
MPC-63-200B	46
MPC-63-M63	46
MPC-63-PG48	46
MPC90-16-050B	47
MPC90-16-M16	47
MPC90-16-M20	47
MPC90-16-PG11	47
MPC90-16-PG13	47
MPC90-20-050B	47
MPC90-20-M20	47
MPC90-20-PG16	47
MPC90-25-075B	47
MPC90-25-M25	47
MPC90-25-PG21	47
MPC90-32-100B	47
MPC90-32-M32	47
MPC90-32-PG29	47
MPC90-40-125B	47
MPC90-40-M40	47
MPC90-40-PG36	47
MPS-106-FL	44
MPS-12-M16	43
MPS-16-M16	43
MPS-16-M20	43
MPS-20-M20	43
MPS-25-M25	43
MPS-28-M25	43
MPS-32-M32	43
MPS-80-FL	44
MPS90-106-FL	44
MPS90-16-M16	43
MPS90-16-M20	43
MPS90-20-M20	43
MPS90-25-M25	43
MPS90-28-M25	43
MPS90-32-M32	43
MPS90-80-FL	44
MRA15-1M	45
MRA15-2M	45
MRA20-1M	45
MRA20-2M	45
MRA30-1M	45
MRA30-2M	45
MRFAHA	45
MRFAHNPB	45
MRFAHSS	45
MRFALA	45
MRFALNPB	45
MRFALSS	45
MRFAMA	45
MRFAMNPB	45
MRFAMSS	45
MRFAU	45
MRGS15-1M	45
MRGS15-2M	45
MRGS20-1M	45
MRGS20-2M	45
MRGS30-1M	45
MRGS30-2M	45
MRP15-1M	45
MRP15-2M	45
MRP20-1M	45
MRP20-2M	45
MRP30-1M	45
MRP30-2M	45
MRSS15-1M	45
MRSS15-2M	45
MRSS20-1M	45
MRSS20-2M	45
MRSS30-1M	45
MRSS30-2M	45
PG11-N	86
PG13-N	86
PG16-N	86
PG21-N	86
PG29-N	86
PG36-N	86
PG42-N	86
PG48-N	86
PG7-N	86
PG9-N	86
REC13	87
REC16	87
REC21	87
REC28	87
REC34	87
REC42	87
REC54	87
RSW16	86
RSW20	86
RSW25	86
RSW32	86
RSW40	86
RSW50	86
RSW63	86
RTPF20	89
RTPF25	89
RTPF32	89
S-M16	86
S-M20	86
S-M25	86
S-M32	86
S-M40	86
S-M50	86
S-M63	86
SP-M12	86
SP-M16	86
SP-M20	86
SP-M25	86
SP-M32	86
SP-PG11	86
SP-PG13	86
SP-PG16	86
SP-PG21	86
SP-PG29	86
SP-PG7	86
SP-PG9	86
SP-R16	36
SP-R21	36
SP-R28	36
SP-R34	36
SPW16	86
SPW20	86
SPW25	86
SPW32	86
SS-M16	86
SS-M20	86
SS-M25	86
SS-M32	86
SS-M40	86
SS-M50	86
SS-M63	86
SSU10-10M	58
SSU10-25M	58
SSU10-M12-M	58
SSU10-M12-S	59
SSU12-10M	58
SSU12-25M	58
SSU12-M16-M	58
SSU12-M16-S	59
SSU16-10M	58
SSU16-25M	58
SSU16-M16-M	58
SSU16-M16-S	59
SSU20-10M	58
SSU20-25M	58
SSU20-M20-M	58
SSU20-M20-S	59
SSU25-10M	58
SSU25-25M	58
SSU25-M25-M	58
SSU25-M25-S	59
SSU32-10M	58
SSU32-25M	58
SSU32-M32-M	58
SSU32-M32-S	59
SSU40-10M	58
SSU40-M40-M	58
SSU50-10M	58
SSU50-M50-M	58
SSU63-10M	58
SSU63-M63-M	58
ST16	89
ST20	89
ST25	89
ST32	89
SW12	86
SW16	86
SW20	86
SW25	86
SW32	86
SW40	86
SW50	86
SW63	86
SWPG11	86
SWPG13	86
SWPG16	86
SWPG21	86
SWPG29	86
SWPG36	86
SWPG42	86
SWPG48	86
SWPG7	86
SWPG9	86
T12X12X12	43
T16X16X16	43
T20X20X20	43
T25X25X25	43
TS12X12X12	43
TS16X16X12	43
TS20X25X20	43
TS25X20X25	43

www.flexicon.uk.com

chanhvinh.com



NEW

new products and solutions for Cable Protection

IP68 IP68

Connection boxes for specialist applications

NEW

- Up to IP68 performance
- Range of sizes available
- Different material types
  - Aluminium
  - Nickel plated brass
  - Stainless steel
  - Plastic
- Compatible with;
  - Flexible conduit
  - Rigid conduit
  - Cable Glands
  - Armoured cable glands



Typical applications

- Mining
- Machinery
- Processing
- Marine
- Rail
- Automation
- CCTV
- Heavy Industrial













Contact us for more information or visit our website

www.flexicon.uk.com

Further details available on application.

chanhvinh.com

Flexicon Limited (Head Office)

A Roman Way, Coleshill, Birmingham, B46 1HG, United Kingdom
T +44 (0)1675 466900
F +44 (0)1675 466901
E sales@flexicon.uk.com
W www.flexicon.uk.com

FM58347

Flexicon in Europe

E sales@flexicon.eu.com
W www.flexicon.eu.com

Flexicon in USA

E sales@flexicon.us.com
W www.flexicon.us.com

Flexicon Australia Pty Limited

T *National Sales Hotline:* 1300 00 FLEX (3539)
E sales@flexiconaustralia.com
W www.flexiconaustralia.com

Sydney Office

A 1/38 Binney Road, Kings Park, NSW 2148
F +61 (0)2 8884 3889

Melbourne Office

A 14 Ovata Drive, Tullamarine, VIC 3043
F +61 (0)3 9372 3448












FLEXICON
FLEXIBLE CONDUIT SOLUTIONS

