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FEATURES

- High abrasion and mechanical resistance
- Excellent resistance to chemicals including oils, fluids and aggressive chemical agents
- Halogen free
- 1kV dielectric strength
- Good temperature resistance
- Maintains electrical properties after flexing
- Good resistance to fraying when cut
- Compatible with most insulating varnishes

RS PRO Braided Acrylic Fibreglass Black Cable Sleeve, 4mm Diameter, 5m Length

RS Stock No.: 398-852



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Cable Sleeves

Product Description

From RS PRO a high-quality Class F braided fibreglass cable sleeving or cable tubing impregnated with an acrylic resin to create a tough but flexible insulation material that offers highly effective cable protection. This cable sleeving has excellent chemical resistance along with a good temperature resistance and high electrical and mechanical strength. The sleeve is made from halogen-free materials so it won't release toxic gases into the atmosphere when burnt and has excellent compatibility with Class F impregnating resins. This cable sleeve is easy to apply by simply routing your cables and wires through the inside. The flexibility qualities of this sleeving mean it is still able to maintain its electrical properties even after flexing.

General Specifications

Material	Acrylic Fibreglass
Colour	Black
Braided	Yes
Expandable	No
Fire Behaviour	Halogen Free
Applications	Laboratories, Chemical processing, Appliance manufacturing, Medical and pharmaceutical, Automotive and marine applications, Building and construction industry, Food and beverage industries

Mechanical Specifications

Sleeve Diameter	4mm
Sleeve Length	5m
Wall Thickness	0.3mm
Maximum Cable Diameter	4mm

Property	Test Method	Typical Value
Dielectric Strength	-	1.5kV/mm

Cable Sleeves

Operation Environment Specifications

Operating Temperature Range	-25°C to 155°C
Minimum Operating Temperature	-25°C
Maximum Operating Temperature	155°C

Approvals

Compliance/Certifications	RoHS
Standards Met	IEC 60684-3, RoHS Compliant



DIELECTRIC STRENGTH		
Test	**Method**	**VAC10**
IEC 60684	250 mm.Inst. B/D Central Value (kV)	0.8
IEC 60684	250 mm.Inst. B/D Central Value (kV)	0.7

Cable Sleeves

TECHNICAL TABLE		
Property	**Test**	**Result**
Heat Resistance	Bending after heating, IEC 60684 Part 2 Clause 13, 48 hours at 180°C	No cracking or detachment of coating shall be visible and the original colours shall be clearly recognisable
Flammability	Flame propagation, IEC 60684 Part 2 Clause 6, Method A, Vertical with mandrel	Extinguishes within 60 seconds
Cold Resistance	Bending at low temperature: IEC 60684 Part 2 Clause 14 at -70°C	No cracking or detachment of coating shall be visible

DIMENSIONS		
Nominal Bore (mm)	**Bore Tolerance (mm)**	**Minimum Wall Thickness (mm)**
0.5	+0.20	0.20
1.0	+0.20	0.25
1.5	+0.20	0.25
2.0	+0.20	0.25
2.5	+0.20	0.25
3.0	+0.30	0.25
4.0	+0.30	0.35
5.0	+0.30	0.35
6.0	+0.30	0.35
7.0	+0.30	0.35
8.0	+0.50	0.35
9.0	+0.50	0.35
10.0	+0.50	0.35
12.0	+0.50	0.45
14.0	+0.50	0.45
16.0	+0.50	0.45
18.0	+0.50	0.55
20.0	+0.50	0.55
22.0	+0.50	0.60
25.0	+0.50	0.60