Control Cable

Features

- Ideal for indoor use where mechanical stresses are present
- Galvanised steel braided multi core cable, strong and durable
- SY type cable has a clear PVC transparent outer sheath
- White numbers on the outer sheath
- Inner sheath made from grey PVC
- Mechanical protection due to galvanised steel wire braid
- Flexible cable with copper conductors
- Operating temperatures for flexible use -5 to +70 °C
- Operating temperatures for fixed installation -40 to +80 °C
- Keep out of direct sunlight and observe temperature range if using outdoors

RS PRO SY Control Screened Cable, 5 Core

RS Stock No.: 827-4206



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.

Control Cable

Product Description

- *SY cables are number coded control and connecting cables for flexible use and fixed installation for medium mechanical use. They are for use in dry, damp and wet rooms. They may only be installed outdoors with UV-protection and in observation of the temperature range. At room temperature it is generally resistant against acids, caustics solutions and certain oils. SY cables are used as supply and interconnecting cable for controlling machine tools, production lines, control equipment on conveyors, also for use in measuring regulating and computer units. Suitable for free movement without forced guidance and tensile stress. The braiding of galvanised steel wires are an additional mechanical protection.*

General Specifications

Conductor	Bare copper, fine wire strand in accordance to IEC 60 228 that is VDE 0295, class 5
Core insulation	PVC compound TI1 in accordance to VDE 0207
Identification	In acc. To VDE 0293, black cores with white numbers with or without green/yellow ground conductor
Inner sheath	PVC compound TM2 in acc. to VDE 0207
Braid	Galvanised steel wire braid
Outer sheath	Transparent PVC compound TM2 in acc. To VDE 0207
Temperature range	For flexible use -5 up to +70° maximum conductor temperature Fixed installation -40 up to +80° maximum conductor temperature
Minimum bending radius	Fixed installation 12.5 x cable diameter
Flame retardant	In acc. to IEC 60 332.1 resp. VDE 0472 part 804
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive)

Electrical Specifications

Nominal voltage	300/500 V
Test voltage	3,000 V ac

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Mechanical Specifications

Description	Number of Cores x Cross Sectional Area (mm^2)	Outer Diameter (mm)	Weight Kg/Km
Cable, SY, 3 Core, 2.5mm, 50M	3 x 2.5	10.6	206
Cable, SY, 4 Core, 2.5mm, 50M	4 x 2.5	11.5	260
Cable, SY, 5 Core, 2.5mm, 50m	5 x 2.5	12.6	307
Cable SY, 7 Core, 2.5mm, 50M	7 x 2.5	13.9	374
Cable SY, 3 Core, 0.75mm, Per M	3 x 0.75	7.9	113
Cable, SY, 4 Core, 0.75mm, Per M	4 x 0.75	8.5	129
Cable, SY, 5 Core, 0.75mm, Per M	5 x 0.75	9.2	148
Cable, SY, 7 Core, 0.75mm, Per M	7 x 0.75	9.9	174
Cable, SY, 3 Core, 1mm, Per M	3 x 1	8.3	125
Cable, SY, 4 Core, 1mm, Per M	4 x 1	8.9	145
Cable, SY, 5 Core, 1mm, Per M	5 x 1	9.6	168
Cable, SY, 7 Core, 1mm, Per M	7 x 1	10.4	144
Cable, SY, 3 Core, 1.5mm, Per M	3 x 1.5	9	151
Cable, SY, 4 Core, 1.5mm, Per M	4 x 1.5	9.7	176
Cable, SY, 5 Core, 1.5mm, Per M	5 x 1.5	10.6	207
Cable, SY, 7 Core, 1.5mm, Per M	7 x 1.5	11.5	264
Cable, SY, 3 Core, 2.5mm, Per M	3 x 2.5	10.6	206
Cable, SY, 4 Core, 2.5mm, Per M	4 x 2.5	11.5	260
Cable, SY, 5 Core, 2.5mm, Per M	5 x 2.5	12.6	307
Cable, SY, 5 Core, 4mm, 50M	5 x 4	14.1	338