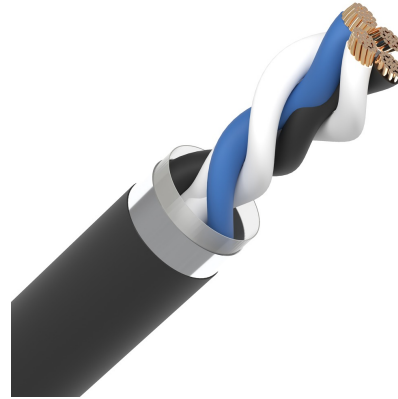


Control Cable BS Standard

Control cable for signal, control and instrumentation circuits

Control Cable BS Standard is prepared for preliminary product selection and quotation review. This product is used for control, monitoring and signal circuits where core number, conductor size, shielding, flame performance and installation environment affect cable selection.



VOLTAGE

300/500V, 0.6/1kV

CONDUCTOR

Steel or reinforced conductor route, according to standard

TYPICAL USE

Control panels

STANDARDS

BS 5467; BS EN 50525-2-11;
IEC 60502-1

DATA SCOPE

2 technical table(s) included
for preliminary selection

SELECTION NOTE

Confirm cores, conductor size, screen/armour, sheath and installation route.

For quotation review, provide cable type, standard, size, quantity and project destination.

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Application & Selection Summary

Typical applications

- Control panels
- instrumentation circuits
- industrial automation
- substation control systems
- building services and process equipment control wiring.

Selection logic

- Confirm core number, conductor size, shielding or armour requirement, flame-retardant requirement and installation environment.
- Project standards should be reviewed before final cable confirmation.

Construction Overview

Item	Website-ready content
Product route	Multi-core copper conductor with insulation, optional screen or armour and outer sheath according to the selected cable type.
Voltage	300/500V, 0.6/1kV
Conductor	Steel or reinforced conductor route, according to standard
Standards	BS 5467; BS EN 50525-2-11; IEC 60502-1
Confirmation	Final structure, dimensions and packing should follow selected standard, quotation review and order specification.

Readable Data Index

Data route	Size / rating range	Construction	Diameter / OD	Resistance / weight / rating
300/500V BS EN 50525 Control Cable (Flexible Copper Class)	2 x 1.5 - 25 x 1.5	2 x 1.5 - 25 x 1.5	See table	85 - 610
0.6/1kV BS 5467 Heavy Duty Control Cable (Stranded Copper)	2 x 1.5 - 37 x 1.5	2 x 1.5 - 37 x 1.5	11.5 - 28.5	260 - 1520

Data boundary: these tables support website launch, quotation review and preliminary product selection. For project execution, final dimensions, electrical performance, packing and compliance documents should be confirmed against the selected project standard and order specification.

300/500V BS EN 50525 Control Cable (Flexible Copper Class 5)

Reference table for preliminary selection and quotation review.

No. of Cores x Cross Section (mm²)	Conductor Class	YY Cable OD (mm)	YY Weight (kg/km)	CY Cable OD (mm)	CY Weight (kg/km)
300/500V BS EN 50525 Control Cable (Flexible Copper Class 5)					
2 x 1.5	5	7.5	85	8.2	115
3 x 1.5	5	8.0	105	8.7	135
4 x 1.5	5	8.7	130	9.4	165
7 x 1.5	5	10.5	195	11.5	255
12 x 1.5	5	13.5	310	14.8	390
18 x 1.5	5	15.8	440	17.2	530
25 x 1.5	5	18.8	610	20.5	720

0.6/1kV BS 5467 Heavy Duty Control Cable (Stranded Copper Class 2 - XLPE/SWA/PVC)

Reference table for preliminary selection and quotation review.

No. of Cores x Cross Section (mm ²)	Insulation Thick. (mm)	Inner Bedding Dia. (mm)	SWA Wire Dia. (mm)	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)
0.6/1kV BS 5467 Heavy Duty Control Cable (Stranded Copper Class 2 - XLPE/SWA/PVC)					
2 x 1.5	0.7	7.0	0.9	11.5	260
3 x 1.5	0.7	7.4	0.9	12.0	285
4 x 1.5	0.7	8.1	0.9	12.8	325
7 x 1.5	0.7	9.8	0.9	14.6	415
12 x 1.5	0.7	12.8	1.25	18.5	660
19 x 1.5	0.7	15.2	1.25	21.2	880
27 x 1.5	0.7	18.5	1.6	25.5	1250
37 x 1.5	0.7	21.0	1.6	28.5	1520