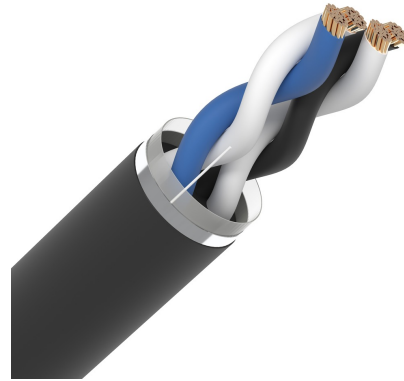


Screened / Instrumentation Control Cable

Control cable for signal, control and instrumentation circuits

Screened / Instrumentation Control Cable 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, 450/750V

CONDUCTOR

Tinned copper conductor route, confirmed by technical table

TYPICAL USE

Control panels

STANDARDS

GB/T 9330; BS EN 50525;
BS EN 50288-7

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.

ethan@farwalkcable.com | +86 155 5800 6344

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, 450/750V
Conductor	Tinned copper conductor route, confirmed by technical table
Standards	GB/T 9330; BS EN 50525; BS EN 50288-7
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
450/750V Screened Control Cable (Stranded Copper + Copper)	2 x 1.5 - 37 x 1.5	2 x 1.5 - 37 x 1.5	9.6 - 24.6	12.1
300/500V Instrumentation Cable (Twisted Pairs + Overall Al)	1 x 2 x 1.5 - 24 x 2 x 1.5	See table	7.8 - 29.8	12.1

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.

450/750V Screened Control Cable (Stranded Copper + Copper Braid Screen)

Reference table for preliminary selection and quotation review.

No. of Cores x Cross Section (mm ²)	Nominal Conductor Dia. (mm)	Nominal Insulation Thick. (mm)	Nominal Sheath Thick. (mm)	Approx. Overall Dia. (mm)	Max. DC Resistance @ 20°C (Ω/km)
450/750V Screened Control Cable (Stranded Copper + Copper Braid Screen)					
2 x 1.5	1.56	0.7	1.2	9.6	12.1
3 x 1.5	1.56	0.7	1.2	10.1	12.1
4 x 1.5	1.56	0.7	1.2	10.9	12.1
5 x 1.5	1.56	0.7	1.2	11.7	12.1
7 x 1.5	1.56	0.7	1.2	12.6	12.1
10 x 1.5	1.56	0.7	1.5	15.8	12.1
14 x 1.5	1.56	0.7	1.5	17.1	12.1
19 x 1.5	1.56	0.7	1.5	18.8	12.1
24 x 1.5	1.56	0.7	1.7	21.6	12.1
30 x 1.5	1.56	0.7	1.7	22.9	12.1
37 x 1.5	1.56	0.7	1.7	24.6	12.1

300/500V Instrumentation Cable (Twisted Pairs + Overall Aluminum Foil & Drain Wire)

Reference table for preliminary selection and quotation review.

No. of Pairs x Cross Section (mm²)	Conductor Type	Insulation Thick. (mm)	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)	Max. DC Resistance @ 20°C (Ω/km)
300/500V Instrumentation Cable (Twisted Pairs + Overall Aluminum Foil & Drain Wire)					
1 x 2 x 1.5	Class 2 Stranded	0.6	7.8	85	12.1
2 x 2 x 1.5	Class 2 Stranded	0.6	11.5	145	12.1
4 x 2 x 1.5	Class 2 Stranded	0.6	13.2	230	12.1
8 x 2 x 1.5	Class 2 Stranded	0.6	17.5	410	12.1
12 x 2 x 1.5	Class 2 Stranded	0.6	21.2	585	12.1
16 x 2 x 1.5	Class 2 Stranded	0.6	24.5	750	12.1
24 x 2 x 1.5	Class 2 Stranded	0.6	29.8	1120	12.1