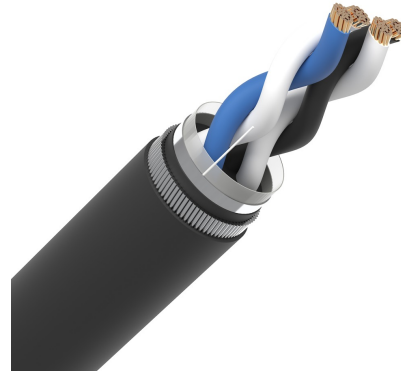


Overall Screened Armoured Instrumentation Cable

Control cable for signal, control and instrumentation circuits

Overall Screened Armoured Instrumentation 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

CONDUCTOR

Tinned copper conductor route, confirmed by technical table

TYPICAL USE

Control panels

STANDARDS

BS EN 50288-7; IEC 60332

DATA SCOPE

2 technical table(s) included for preliminary selection

SELECTION NOTE

Confirm cores, conductor size, screen/armor, 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
Conductor	Tinned copper conductor route, confirmed by technical table
Standards	BS EN 50288-7; IEC 60332
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 OS SWA Instrumentation Cable (Stranded Copper - X	1 x 2 x 1.5 - 24 x 2 x 1.5	See table	12.5 - 37.5	310 - 2150
300/500V IS/OS SWA Instrumentation Cable (Stranded Copper	2 x 2 x 1.5 - 24 x 2 x 1.5	See table	18.5 - 44.5	520 - 3150

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 OS SWA Instrumentation Cable (Stranded Copper - XLPE / OS / SWA / PVC)

Reference table for preliminary selection and quotation review.

No. of Pairs x Cross Section (mm ²)	Nominal Insulation Thick. (mm)	Inner Bedding Dia. (mm)	Steel Wire Armour Dia. (mm)	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)
300/500V OS SWA Instrumentation Cable (Stranded Copper - XLPE / OS / SWA / PVC)					
1 x 2 x 1.5	0.6	7.5	0.9	12.5	310
2 x 2 x 1.5	0.6	11.2	0.9	16.8	450
4 x 2 x 1.5	0.6	12.5	0.9	18.5	560
8 x 2 x 1.5	0.6	16.8	1.25	23.5	890
12 x 2 x 1.5	0.6	20.5	1.6	28.5	1350
16 x 2 x 1.5	0.6	23.5	1.6	31.8	1620
24 x 2 x 1.5	0.6	28.5	1.6	37.5	2150

300/500V IS/OS SWA Instrumentation Cable (Stranded Copper - XLPE / IS / OS / SWA / PVC)

Reference table for preliminary selection and quotation review.

No. of Pairs x Cross Section (mm ²)	Nominal Insulation Thick. (mm)	Inner Bedding Dia. (mm)	Steel Wire Armour Dia. (mm)	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)
300/500V IS/OS SWA Instrumentation Cable (Stranded Copper - XLPE / IS / OS / SWA / PVC)					
2 x 2 x 1.5	0.6	12.8	0.9	18.5	520
4 x 2 x 1.5	0.6	14.5	1.25	21.5	780
8 x 2 x 1.5	0.6	19.5	1.6	27.5	1250
12 x 2 x 1.5	0.6	24.2	1.6	32.5	1680
16 x 2 x 1.5	0.6	27.5	1.6	36.2	2050
24 x 2 x 1.5	0.6	33.5	2.0	44.5	3150