

Instrumentation Cables

BS EN 60502-1, 600/1000V

XLPE insulated SWA Armoured Cable



C4915, C4916, C4917

Applications

These cables are designed to connect electrical instrument circuits and provide communication services in and around process plants (e.g. petrochemical industry etc.). Suitable for direct burial applications.

Design

Unit	Properties
Conductor	Class 2 Plain Copper Wire
Insulation	Cross-linked Polyethylene (XLPE) Color: White and Black numbered
Cabling	Cores cabled together
Bedding	Flame Retardant PVC
Armour	Galvanized Steel Wire Armour
Outer Sheath Material	UV Resistant-Flame Retardant PVC Standard Colour: Black
Standard Put Up Length	305M or 500m

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

Electrical Characteristics at 20°C

Conductor Size(sqmm)	Max. DCR (Ohm/km)	Max. Mutual Capacitance (pF/m) at 1KHz	Max. L/R ratio ($\mu\text{H}/\Omega$)	Min Insulation Resistance (GOhm/km)	Voltage Rating (V)	Operating Temperature (°C)
2.50	7.41	150	25	1.0	600/1000	+90

Constructional Information

PN	Number of Cores	Conductor Construction (sq mm)	Insulation Thickness (mm)	Bedding Diameter(mm)	SWA Armour Wire Diameter (mm)	Overall Diameter (mm)
C4915	4	2.50	0.70	10.2	0.90	15.6
C4916	8	2.50	0.70	13.2	0.90	18.6
C4917	10	2.50	0.70	15.6	0.90	21.0

Reference Standards

BS 60502-1	EN 50290-2
BS EN 60228	IEC60332-1
RoHS directives	