

# Instrumentation Cables

## BS EN 50288-7

### XLPE insulated SWA Armoured Cable



**C3267, C3268, C3269, C3270, C3271, C3586**

#### 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 for Pairs White, Red and Black numbered for Traids
Twinning	Pair construction
Individual Screening (if applicable)	Polyester Tape and Aluminum/Polyester tape
Collective Screening	Aluminum/Polyester tape
Bedding	Flame Retardant PVC
Armour	Galvanized Steel Wire Armour
Outer Sheath Material	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 (μH/Ω)	Min Insulation Resistance (GOhm/km)	Voltage Rating (V)	Operating Temperature (°C)
1.0	36.36	150	25	1.0	500	+90
1.50	24.8	150	25	1.0	500	+90
2.50	7.60	140	60	1.0	500	+90

#### Constructional Information

PN	Number of Pairs/Traids	Conductor Construction (sq mm)	Individual Screen	Overall Screen	SWA Armour	Overall Diameter (mm)
C3267	12 pairs	1.0	Yes	Yes	Yes	24.1
C3268	8 Triads	1.0	Yes	Yes	Yes	21.6
C3269	1 pair	1.5	No	Yes	Yes	11.2
C3270	1Traid	1.5	No	Yes	Yes	11.7
C3271	15 Pairs	1.5	Yes	Yes	Yes	31.2
C3586	1 pair	2.5	No	Yes	Yes	11.8

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**Reference Standards**

BS50228-7	EN 50290-2
BS EN 60228	IEC60332-3 catA
RoHS directives	