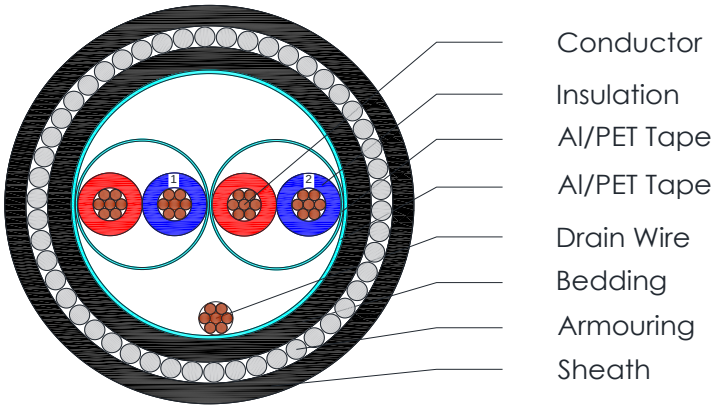
Instrumentation Cables BS EN 50288-7
XLPE insulated Individual and Overall Screened
PVC Cable

C4954, C4955, C4956, C4957

Applications

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

Cross Section Drawing



Design

Unit	Properties
Conductor	Class 2 Plain Copper Wire
Insulation	Cross-linked Polyethylene (XLPE) Color could be: Red and Blue numbered for Pairs Or Black and Blue numbered for Pairs
Twinning	Pair construction
Individual Screen	Al/PET Tape
Drain Wire	Tinned Coper wire
Overall Screen	Al/PET Tape
Bedding	PVC
Armouring	Galvanized Steel Wire
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.

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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)
1.50	24.8	150	25	1.0	300/500	+90
2.50	7.60	140	60	1.0	300/500	+90

Constructional Information

PN	Number of Pairs	Conductor cross section (sq mm)	No. of wires in conductor	Drain Wire (mm)	Bedding Diameter (mm)	Steel Wire Diameter (mm)	Overall Diameter (mm)
C4954	1	1.5	7	7/0.20	6.9	0.90	11.1
C4955	2	1.5	7	7/0.20	11.4	0.90	16.2
C4956	1	2.5	7	7/0.20	7.7	0.90	11.9
C4957	2	2.5	7	7/0.20	13.1	0.90	17.9

Reference Standards

BS50228-7	EN 50290-2
BS EN 60228	IEC60332-3-24
RoHS directives	