

POWER Cables

600/1000V

XLPE insulated PVC Sheath Cable



C4825, C4826, C4827

Applications

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

Design

Unit	Properties
Conductor	Class 2 Plain Copper Wire
Insulation	Cross-linked Polyethylene (XLPE) Color: Black with serial numbers
Cabling	Cores cabled together
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)
1.50	12.3	150	25	1.0	600/1000	+75
2.50	7.41	150	25	1.0	600/1000	+75

Constructional Information

PN	Number of Cores	Conductor Construction (sq mm)	Insulation Thickness (mm)	Sheath Thickness (mm)	Overall Diameter (mm)
C4825	10	1.50	0.70	0.80	11.5
C4826	3	2.50	0.70	0.65	8.6
C4827	4	2.50	0.70	0.65	9.5

Reference Standards

BS 60502-1	EN 50290-2
BS EN 60228	IEC 60332-1
RoHS directives	