

Control Cable, XLPE Insulation & PVC Sheath

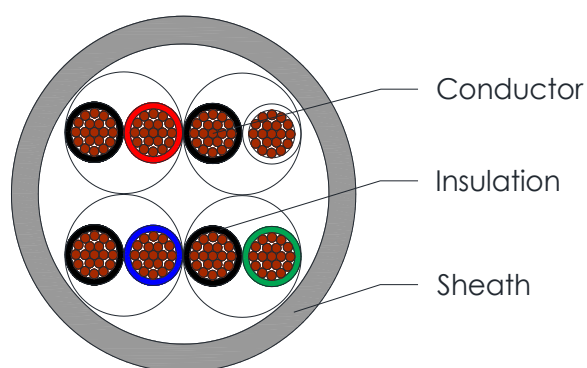


C4430, C4431, C4432

Applications

Unscreened Multi-Conductor cable suitable for Control Systems.

Cross Section Drawing



Design

Unit	Properties
Conductor	Stranded Bare Copper wire
Insulation	XLPE Pair 1: Black/Red Pair 2: Black/White Pair 3: Black/Green Pair 4: Black/Blue Pair 5: Black/Yellow Pair 6: Black/Brown Pair 7: Black/Orange Pair 8: Black/Purple Pair 9: Black/Grey Pair 10: Black/Pink Pair 11: Black/Tan Pair 12: Black/Turquoise
Pair	Two wires twisted together
Cabling	N pairs cabled together
Sheath	Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Grey
Standard Put Up Length	305 meters

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

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Physical Characteristics

Part Number	C4430	C4431	C4432
No of Pairs	2	4	12
Conductor Size (AWG)	16	18	18
Nom. Diameter Conductor(mm)	1.4	1.16	1.16
Nom. Radial Thickness Insulation(mm)	0.2		
Nom. Radial Thickness Sheath(mm)	0.5	0.5	0.7
Nom. Overall Diameter(mm)	7.5	7.8	13.0
Operating Temperature (°C)	-25 to +75		
Min. Bend Radius (install)(mm)	75	78	130
Nominal Cable Weight (kg/km)	62.4	82.9	239.3

Electrical Characteristics at 20°C

Part Number	C4430	C4431	C4432
Conductor Size (AWG)	16	18	18
Max. DC Resistance Conductor (Ω /km)	15.47	22.7	22.7
Max. Operating Voltage (Vrms)	300		

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60332-1
UL 1581
RoHS directives