

Power Control Cable, 0.5 to 2.5mm², Overall Screen & LSF Sheath

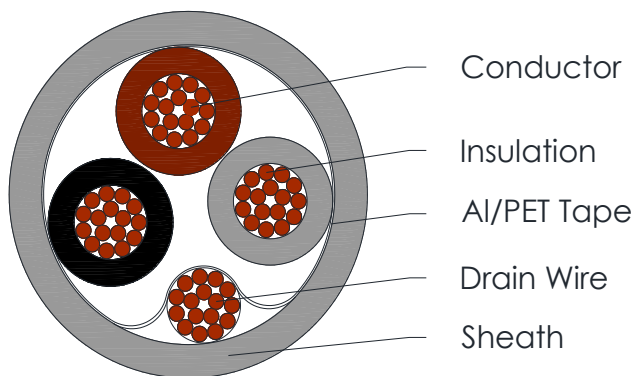


C4065, C4066, C4067, C4068, C4069

Applications

Used as interconnect cable in measuring, control and regulation applications.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Bare Copper wire
Insulation	Cross Linked Polyethylene (XLPE) Core 1: Brown Core 2: Black Core 3: Grey
Screen	Aluminium/Polyester 100% Coverage
Drain wire	Tinned Copper
Sheath	LSF 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	C4065	C4066	C4067	C4068	C4069
Cross section (mm ²)	0.5	1.0	1.5	1.5	2.5
No of cores	3	3	2	3	3
Conductor construction (mm)	16/0.20	32/0.20	30/0.25	30/0.25	51/0.25
Nom. Radial Thickness Insulation(mm)	0.7				
Nom. Drain Wire Size (mm ²)	0.50				
Nom. Radial Thickness Sheath(mm)	1.8				
Nom. Overall Diameter(mm)	9.2	9.8	9.9	10.4	11.4
Operating Temperature (°C)	0 to +90				
Min. Bend Radius (install)(mm)	92	98	99	104	114
Nominal Cable Weight (kg/km)	85	109	106	129	169

Electrical Characteristics at 20°C

Part Number	C4065	C4066	C4067	C4068	C4069
Cross section (mm ²)	0.5	1.0	1.5	1.5	2.5
No of cores	3	3	2	3	3
Max. DC Resistance Conductor (Ω/km)	39.0	19.5	13.3	13.3	7.98
Dielectric Strength (Vrms)	3500 for 5Min.				
Max. Operating Voltage U ₀ /U (Vrms)	600/1000				

Reference Standards

IEC 60502-1
IEC 60228 Class 5
(BS) EN 50290-2
IEC 60332-1
RoHS directives