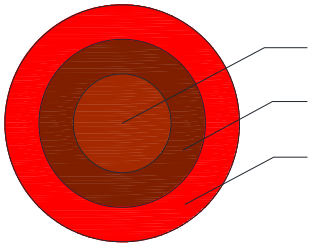
Fire Resistant Cables
Single core, Unscreened, PVC Sheath
BS6387 CWZ

C1760, C1761

Applications

Single core Fire Resistant cable for Building and Industrial Management Systems

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid Bare Copper wire
Insulation	Ceramifiable Silicon Rubber Possible colours: Brown, Yellow, Red, Blue and Green/yellow
Sheath Material	Halogen Free Flame-Retardant (HFFR) Colour: red
Standard Put Up Length	305 or 500 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	C1760	C1761
Cross section (mm2)	1.5	2.5
Nom. Conductor diameter (mm)	1.4	1.8
Nom. Radial Thickness Insulation (mm)	0.7	0.8
Nom. Diameter Insulation (mm)	2.8	3.4
Nom. Overall Diameter (mm)	3.98	4.58
Operating Temperature (°C)	-20 to +90	
Installation Temperature (°C)	-15 to +90	
Min. Bend Radius (install) （mm）	60	70
Nominal Cable Weight (kg/km)	54	70
Max. recommended pulling tension (N)	205	335
Fire Resistance to BS6387, Cat. C	Exposed to fire at 950°C for 3 hours	
Fire Resistance to BS6387, Cat. W	Exposed to fire at 650°C for 15 minutes, then exposed to fire at 650°C with water for 15 minutes	
Fire Resistance to BS6387, Cat. Z	Exposed to fire at 950°C for 15 minutes, then exposed to fire at 950°C with mechanical shock for 15 minutes	

Electrical Characteristics (at 20°C)

Part Number	C1760	C1761
Max. DC Resistance Conductor (Ω/km)	12.1	7.41
Min. Insulation Resistance (MΩ*km)	200	
Max. recommended current at 25°C (Amps)	21	30
Max. Operating Voltage (Vrms)	600/1000	

Reference Standards

EN 50267-2-1,	BS EN 50363-1
BS 7655.1.1, BS 7655.6.1	EN 50200 PH120
EN 50290-2-27	VDE 472-814
IEC 60228	IEC 60754-1&-2
IEC 60332-3-24	IEC 61034-1&-2
IEC 60331-21 FE180	BS 6360
BS 6387 CWZ	RoHS Directives