

Fire Resistant Cables

Two and Three Cores, 1.50-2.50sqmm, HFFR Sheath

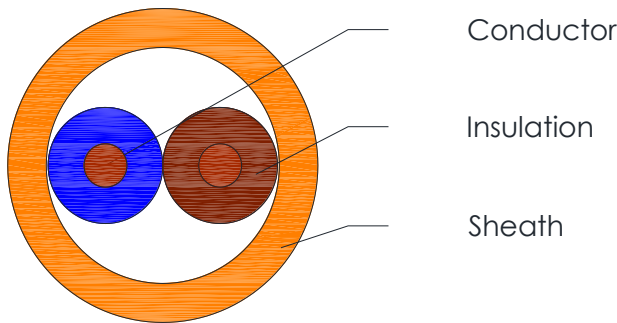


C5844, C5845, C5846, C5847

Applications

This cable is used in safety systems (emergency lights, warning systems, fire fighting equipments, etc ...) in all premises open to the public (concert hall, theaters, cinemas, department stores, hospitals, schools, etc ...), in high-rises buildings, in tunnels, in industries.

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid Bare Copper wire
Insulation	Silicone E12 2Cores: Core 1: Brown Core 2: Blue 3Cores: Core1: Brown Core2: Black Core3: Grey 3G: Core 1: Yellow-Green Core2: Blue Core 3: Brown
Sheath Material	Thermoplastic LSZH, Fire-retardant Type M1 Colour: Orange
Standard Put Up Length	305 metres

*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	C5844	C5845	C5846	C5847
No of Cores x Cross section (mm ²)	2 x 1.50	3 x 1.50	2 x 2.50	3 x 2.50
Nom. Diameter Conductor (mm)	1 x 1.38		1 x 1.78	
Nom. Insulation thickness (mm)	0.70		0.80	
Nom. Insulation Diameter (mm)	2.80		3.40	
Nom. Overall Diameter (mm)	7.20	7.70	8.50	9.10
Operating Temperature (°C)	-10 to +70			
Min. Bend Radius (install) (mm)	72	77	85	91
Nominal Cable Weight (kg/km)	76	98	101	145

Electrical Characteristics at 20°C

Part Number	C5844	C5845	C5846	C5847
No of Cores x Cross section (mm ²)	2 x 1.50	3 x 1.50	2 x 2.50	3 x 2.50
Max. DC Resistance Conductor (Ω/km)	12.1		7.41	
Test Voltage (V)	2000			
Insulation Resistance (MΩ/km)	500			
Rated Voltage U ₀ /U (U _m) (V)	300/500			

Reference Standards

IEC 60228	IEC 60754-1&-2, NF C 32-074, EN 50267-2-3
NF C 32-070 Cat. CR1, IEC 60331-11-21	IEC 61034, NF C 32-073
IEC 60332-3-24, IEC/EN 60332-1-2, NF C 32-070 Cat. C1 & C2	RoHS directives