

Fire Resistant Cables

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

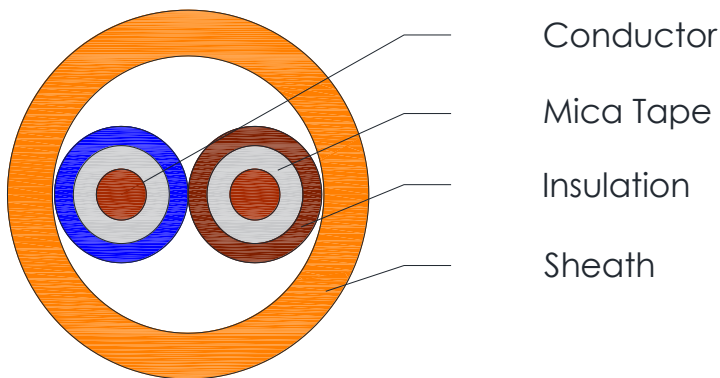


C5805, C5806, C5842, C5843

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
Wrapping Tape	Mica Tape
Insulation	Flame-Retardant Halogen Free (HFFR/LSZH) Core 1: Brown Core 2: Blue Core 3: Black
Sheath Material	Flame-Retardant Halogen Free (HFFR/LSZH) 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	C5805	C5842	C5806	C5843
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 1.39		1 x 1.8	
Nom. Insulation Diameter (mm)	4.2	4.2	4.6	4.6
Nom. Overall Diameter (mm)	10.4	11.4	11.3	12.3
Operating Temperature (°C)	-20 to +60			
Min. Bend Radius (install) (mm)	104	114	113	123
Nominal Cable Weight (kg/km)				

Electrical Characteristics at 20°C

Part Number	C5805	C5842	C5806	C5843
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	
Permissible current rating in open air (A)	30		36	
Voltage drop, single phase (V/A.km)	21		15.2	
Rated Voltage U ₀ /U (Um) (V)	300/500			

Reference Standards

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