

Fire Resistant Beacon Cables

Three Cores, Overall Screen, LSZH/HFFR Sheath

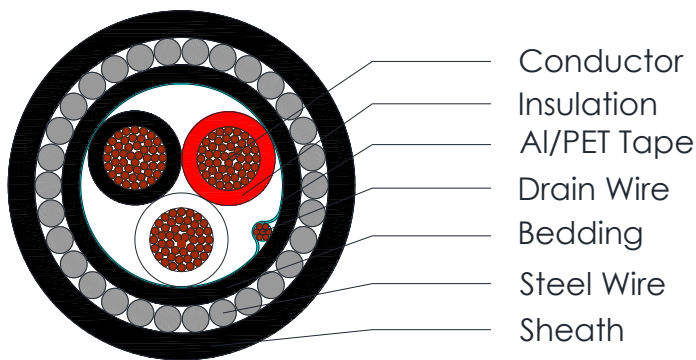


C5525, C5526, C5527

Applications

Fire Resistant Beacon Cable used in PAGA (Public Address & General Alarm) system.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Bare Copper wire, Class 5
Insulation	Halogen Free Fire Resistancy (HFFR) Core 1: Black Core 2: Red Core 3: White
Screen	Aluminium/Polyester tape
Drain Wire	Tinned Copper wire
Bedding (if applicable)	Halogen Free Fire Resistancy (HFFR)
Armoured (if applicable)	Galvanized Steel Wire
Sheath Material	Halogen Free Flame-Retardant (LSZH/HFFR) Standard Colour: Black
Standard Put Up Length	305 and 500 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	C5525	C5526	C5527
No of cores x cross section in sqmm (mm ²)	3 x 2.5	3 x 2.5	3 x 4.0
Conductor Diameter (mm)	2.05	2.05	2.60
Nom. Radial Thickness Insulation (mm)	0.8	0.8	0.8
Drain Wire Stranding	7x0.20	7x0.20	7x0.20
Screen Coverage (%)	115	115	115
Bedding Diameter (mm)	-	10.0	11.2
Galvanized Steel Wire diameter (mm)	-	0.90	0.90
Nom. Overall Diameter (mm)	10.0	14.2	15.3
Cable weight (kg/km)	145.4	457	542
Operating Temperature (°C)	-40 to +75		
Installation Temperature (°C)	-15 to +75		

Electrical Characteristics at 20°C

Part Number	C5525	C5526	C5527
Max. DC Resistance Conductor (Ω/km)	7.98	7.98	4.95
Nom. Capacitance conductor to conductor (pF/m)	135	150	160
Nom. Capacitance conductor to rest (pF/m)	270	300	320
Max. Operating Voltage (Vrms)	300/500	300/500	300/500

Reference Standards

EN 50290-2-27	IEC 60754-1&-2
IEC 60228	IEC 61034-1&-2
IEC 60332-3-24	IEC 60331-21
RoHS Directives	