

Fire Resistant Speaker Cables

Four cores, Unscreened with HFFR Sheath



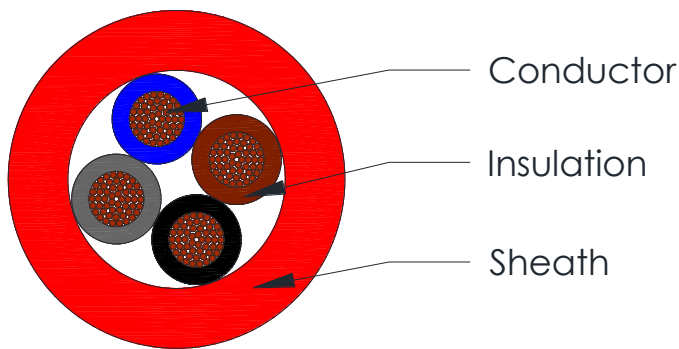
BS6387 CWZ

C5513, C5514

Applications

Fire rated and halogen free Multistrand Speaker Cable.

Cross Section Drawing



Design

Unit	Properties
Conductor	Class 5 Flexible Bare Copper wire
Insulation	Ceramifiable Silicon Rubber Core 1: Blue Core 2: Brown Core 3: Black Core 4: Grey
Sheath Material	Halogen Free Flame-Retardant (HFFR) Standard Colour: Red
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	C5513	C5514
No of cores x cross section in sqmm (mm ²)	4 x 4.0	4 x 6.0
Nom. Diameter Conductor (mm)	2.60	3.18
Nom. Radial Thickness Insulation (mm)	0.9	0.9
Nom. Insulation Diameter (mm)	4.40	5.00
Nom. Thickness of Sheath	1.50	1.50
Nom. Overall Diameter (mm)	13.60	15.10
Operating Temperature (°C)	-20 to +90	
Installation Temperature (°C)	-15 to +90	
Minimum bending radius (mm)	136	150
Max. recommended pulling tension (N)	2106	3160
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	
Fire Resistance to IEC 60331-21	Exposed to fire at 750°C for 90 minutes	
Flame Retardancy	IEC 60332-3-24	

Electrical Characteristics at 20°C

Part Number	C5513	C5514
Max. DC Resistance Conductor (Ω /km)	4.95	3.30
Nom. Capacitance conductor to conductor (pF/m)	52	52
Min. Insulation Resistance ($M\Omega \cdot km$)	200	200
Max. recommended current at 25°C (Amps)	40	50
Max. Operating Voltage (Vrms)	300/500	300/500

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