

Fire Resistant Speaker Cables

12 to 22AWG, Overall Screen, LSZH/HFFR Sheath

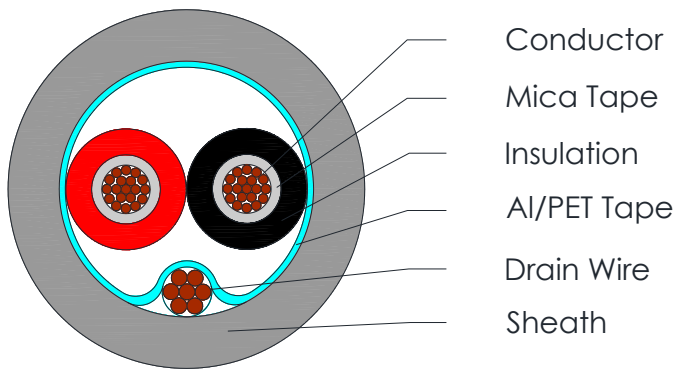


C5749, C5750, C5751, C5752, C5753, C5754

Applications

Audio, Control and BMS cable suitable for Speaker applications where a fire resistant circuit integrity cable is needed.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Wrapping Tape	Mica Tape
Insulation material	PE
Insulation Color	Black and Red
Screen	Aluminium/Polyester tape
Drain Wire	Tinned Copper wire
Sheath Material	UV-Resistant Halogen Free Flame-Retardant (LSZH/HFFR) Standard Colour: Grey
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

P/N	Conductor Size (AWG)	Conductor Construction (mm)	Insulation Diameter (mm)	Drain wire Construction (AWG)	Overall Diameter (mm)	Min. Bending Radius (mm)
C5753	12	65/0.25	5.00	7*32	12.0	96
C5754	14	42/0.25	4.50	7*32	10.8	86
C5749	16	26/0.25	3.80	7*32	9.10	73
C5750	18	16/0.25	3.60	7*32	8.40	67
C5751	20	16/0.20	3.40	7*32	7.90	63
C5752	22	7/0.25	3.20	7*32	7.40	59

Electrical Characteristics at 20°C

P/N	Max. Electrical Resistance of Conductor (Ω /km)	Nom. Capacitance C to C (pF/m)	Nom. Capacitance C to S (pF/m)	Operating Voltage (V)	Min. Insulation Resistance ($G\Omega$ *KM)	Temperature Range (°C)
C5753	5.61	115	210	300	1	-20 to 90
C5754	9.36	110	210	300	1	-20 to 90
C5749	15.47	105	210	300	1	-20 to 90
C5750	22.7	103	190	300	1	-20 to 90
C5751	35.75	99	180	300	1	-20 to 90
C5752	57.4	99	180	300	1	-20 to 90

Reference Standards

EN 50290-2-27	IEC 60754-1&-2; EN 50267-2-1&-2
IEC 60228	IEC 61034-1&-2; EN 50305
IEC 60332-1-2	IEC 60811
IEC 60332-3-24	IEC 60331
RoHS Directives	