

# Fire Resistant Speaker Cables

## Two Pairs, Overall Screen, LSZH/HFFR Sheath

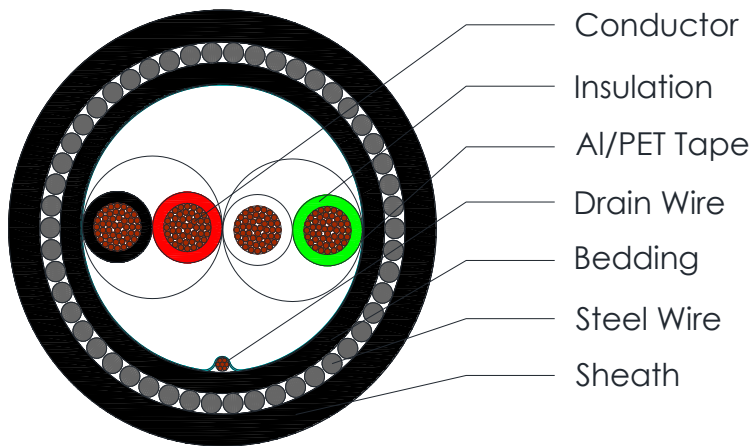


C5523, C5524

### Applications

Fire Resistant Cable used for 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) PR 1: Black + Red PR 2: White + Green
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 or 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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C5523, C5524

### Physical Characteristics

Part Number	C5523	C5524
No of cores x cross section in sqmm (mm <sup>2</sup> )	2PR x 2.5	2PR x 2.5
Conductor Diameter (mm)	2.05	2.05
Nom. Radial Thickness Insulation (mm)	0.8	0.8
Drain Wire Stranding	7x0.20	7x0.20
Screen Coverage (%)	115	115
Bedding Diameter (mm)	-	14.9
Galvanized Steel Wire diameter (mm)	-	0.90
Nom. Overall Diameter (mm)	14.9	19.7
Cable weight (kg/km)	210	683
Operating Temperature (°C)	-40 to +75	
Installation Temperature (°C)	-15 to +75	

### Electrical Characteristics at 20°C

Part Number	C5523	C5524
Max. DC Resistance Conductor (Ω/km)	7.98	7.98
Nom. Capacitance conductor to conductor (pF/m)	100	125
Nom. Capacitance conductor to rest (pF/m)	200	240
Max. Operating Voltage (Vrms)	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	