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## 27-FIRE RESISTANT SPEAKER CABLE FE180 PH90

### FRS 15 - FRS 25 - FRS 40 - FRS 60 FE180 PH90

Halogen free fire resistant speaker cables are ideal for fixed installation system. These cables are tested according to IEC 60332-3, IEC 60331 and BS 6387 C,W,Z, EN50200 PH90.

#### CABLE

#### CONSTRUCTION

FRS15 FE180 PH90	FRS25 FE180 PH90	FRS40 FE180 PH90	FRS60 FE180 PH90 2x6.0
2x1.5 mm <sup>2</sup>	2x2.5 mm <sup>2</sup>	2x4.0 mm <sup>2</sup>	mm <sup>2</sup>

	FRS15 FE180 PH90	FRS25 FE180 PH90	FRS40 FE180 PH90	FRS60 FE180 PH90 2x6.0
Inner Conductor	30x0.25 Ømm(2x1.5mm <sup>2</sup> ) Stranded bare copper wires IEC228 class 5	50x0.25 Ømm(2x2.5mm <sup>2</sup> ) Stranded bare copper wires IEC228 class 5	56x0.30 Ømm(2x4.0mm <sup>2</sup> ) Stranded bare copper wires IEC228 class 5	84x0.30 Ømm(2x6.0mm <sup>2</sup> ) Stranded bare copper wires IEC228 class 5
Insulation	Ø2.80mm Silicon Rubber Black/Red	Ø3.20mm Silicon Rubber Black/Red	Ø3.90mm Silicon Rubber Black/Red	Ø4.60mm Silicon Rubber Black/Red
Inner Sheath (Filling)	H. Free Fire Retardant Filling Compound	H. Free Fire Retardant Filling Compound	H. Free Fire Retardant Filling Compound	H. Free Fire Retardant Filling Compound
Jacket (+/-3%)	Ø9.0 mm H. Free Fire Retardant Compound, VDE 0207 HM2	Ø9.80 mm H. Free Fire Retardant Compound, VDE 0207 HM2	Ø11.0 mm H. Free Fire Retardant Compound, VDE 0207 HM2	Ø12.60 mm H. Free Fire Retardant Compound, VDE 0207 HM2
Color	Orange RAL 2004	Orange RAL 2004	Orange RAL 2004	Orange RAL 2004
Standard Packing	100 , 250 , 500 m Plywood Spool	100, 250, 500 m Plywood Spool	100 , 250 , 500 m Plywood Spool	100 , 250 , 500 m Plywood Spool
Approx. Weight	120.-Kg/Km	145.-Kg/Km	195.-Kg/Km	275.-Kg/Km

#### Electrical Characteristics

	FRS15 FE180 PH90	FRS25 FE180 PH90	FRS40 FE180 PH90	FRS60 FE180 PH90 2x6.0
Conductor Resistance	<13.3 Ω/Km According to IEC 228	< 8 Ω/Km According to IEC 228	< 4.95 Ω/Km According to IEC 228	< 3.3 Ω/Km According to IEC 228
Operating Voltage	300 Veff	300 Veff	300 Veff	300 Veff
Test Voltage	3000 Veff	3000 Veff	3000 Veff	3000 Veff
Insulation Resistance	>200M ΩxKm	>200M ΩxKm	>200M ΩxKm	
Temperature Range	-30 °C.....+ 90 °C	-30 °C.....+ 90 °C	-30 °C.....+ 90 °C	-30 °C.....+ 90 °C
Flame Tests	IEC 332-1, IEC 332-3 catC	IEC 332-1, IEC 332-3 catC	IEC 332-1, IEC 332-3 catC	IEC 332-1, IEC 332-3 catC

Insulation/Circuit integrity	IEC 60331, BS 6387 C,W,Z EN50200 PH90	IEC 60331, BS 6387 C,W,Z EN50200 PH90	IEC 60331, BS 6387 C,W,Z EN50200 PH90	IEC 60331, BS 6387 C,W,Z EN50200 PH90
Smoke Density	IEC61034-1/2	IEC61034-1/2	IEC61034-1/2	IEC61034-1/2
Corrosive Gases	IEC60754-2	IEC60754-2	IEC60754-2	IEC60754-2

**Min. Bending Radius : 7.5 x Cable Diameter**

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