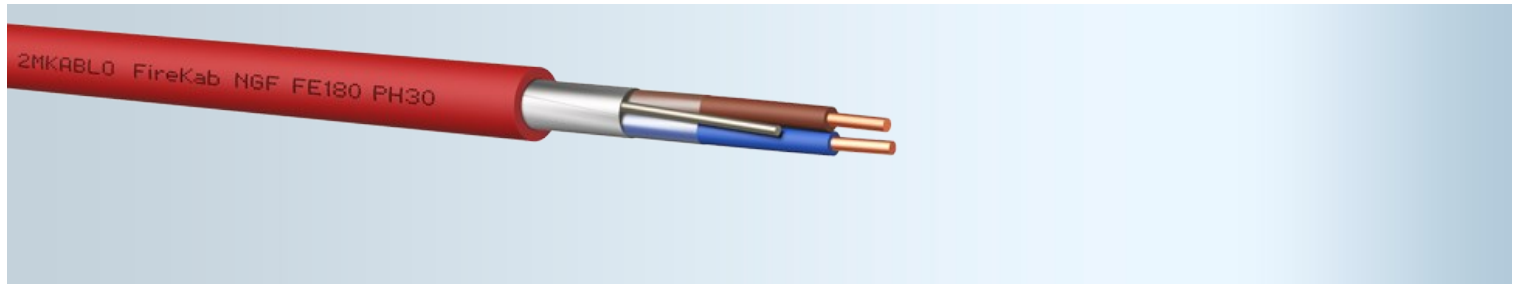


FireKab NGF FE180 PH30



Cable Structure

Conductor	Solid bare copper IEC/BS/EN 60228, VDE 0295)
Insulation	Fire resistant silicon rubber (BS 7655 EI2), colors: BS7671/HD308-S2/VDE0293-308 (for more than 5 cores white core/black numbered)
Separator	Polyester tape
Drain Wire	0.80 mm Solid tinned copper
Shielding	Aluminium laminated polyester tape
Outer Sheath	HFFR, Red (RAL 3000)or White; BS/EN 50290-2, VDE 0207 HM2, BS 7655 LTS1 / LTS3

Cross

Product Code	# Cores/Cross Sect.(mm ²)	Cable Diameter(mm)(±5%)	Copper Weight(kg/km)	~Cable Weight (kg/km)
46301002				
1.00 mm ²	2x1.00	5.80	23	51
46301003				
1.00 mm ²	3x1.00	6.00	32	65
46301004				
1.00 mm ²	4x1.00	6.60	41	81
46301005				
1.00 mm ²	5x1.00	7.50	50	101
46301007				
1.00 mm ²	7x1.00	7.85	70	130
46301502				
1.50 mm ²	2x1.50	6.65	33	70
46301503				
1.50 mm ²	3x1.50	6.75	46	90
46301504				
1.50 mm ²	4x1.50	7.60	59	110

46301505				
1.50 mm ²	5x1.50	8.50	75	140
46301507				
1.50 mm ²	7x1.50	9.20	104	180
46302502				
2.50 mm ²	2x2.50	7.80	50	100
46302503				
2.50 mm ²	3x2.50	8.25	72	135
46302504				
2.50 mm ²	4x2.50	9.10	95	165

Areas of use

FireKab fire resistant cables are used for fire alarm systems, power supply or control of equipment that needs to function during a fire such as warning, emergency lighting, evacuation and monitor systems. The place of usage is intelligent or semi-intelligent buildings where dense human population or valuable goods are found. These can be hospitals, cinemas, theatres, schools, shopping centers, airports, factories, etc. FireKab products have low smoke density, are halogen free and they don't emit poisonous gases.

Technical & Electrical Properties

Min. Bending Radius	Fixed 8 x Cable Diameter, Flexing 15 x Cable Diameter
Conductor Resistance(max.)	1.00mm ² --18 Ω/km; 1.5mm ² --12 Ω/km; 2.50mm ² --7.4 Ω/km
Operating Voltage	300 V/500 V
Test Voltage (50 Hz)	2000 V
Insulation Resistance	>200 M.Ωxkm
Temperature Range	Fixed -30 °C.....+90 °C Flexible -5 °C+60 °C
Flame test	IEC/EN/BS/DIN 60332-1-2 (VDE 0482-332-1-2), IEC/TS/BS/EN 60332-3-24
Fire Test	IEC 60331, BS 6387 C, W, Z, BS/EN 50200 PH120
Smoke Density	TS/BS/IEC/EN 61034-1+2
Corrosive Gases Measurement	IEC 60754-2, BS/EN 50267