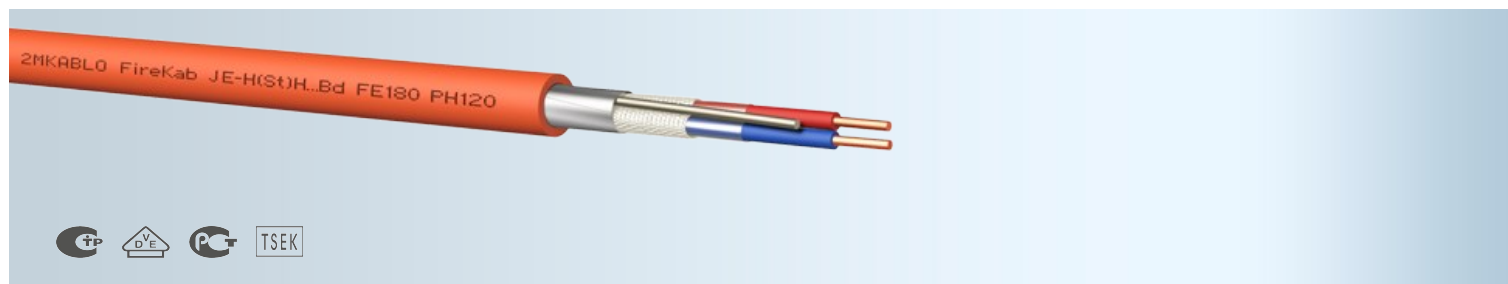


# FireKab JE-H(St)H...Bd FE180 PH120



## Cable Structure

Conductor	Solid bare copper (IEC/BS/EN 60228, VDE 0295)
Insulation	Fire resistant silicon rubber (HD 22.1, BS 7655 E12) (colors VDE 0815 Blue/Red ; Gray/Yellow ; Green/Brown ; White/Black) 4 pairs laid up to a bundle, bundles identified by spiral numbered or colored polyester tape, bundles laid up in layers. (Two pairs laid up as a star quad)
Separator	Polyester tape
Flame Barrier	Fiber Glass Tape
Drain Wire	0.80 mm Solid tinned copper
Shielding	Aluminium laminated polyester tape
Outer Sheath	HFFR, Orange (RAL 2004), BS/EN 50290-2, VDE 0207 HM2, BS 7655 LTS1 / LTS3

## Cross

Product Code	# Cores/Cross Sect.(mm <sup>2</sup> )	Cable Diameter(mm)(±5%)	Copper Weight(kg/km)	~Cable Weight (kg/km)
46260001				
0.80mm	1x2x0.80mm+0.80mm	4.90	14	35
46260002				
0.80mm	2x2x0.80mm+0.80mm	5.45	23	55
46260003				
0.80mm	3x2x0.80mm+0.80mm	6.70	33	75
46260004				
0.80mm	4x2x0.80mm+0.80mm	8.00	42	95
46260008				
0.80mm	8x2x0.80mm+0.80mm	10.50	80	170
46260012				
0.80mm	12x2x0.80mm+0.80mm	11.60	118	235
46261001				
1.00mm <sup>2</sup>	1x2x1.00mm <sup>2</sup> +0.80mm	6.25	23	60

46261002				
1.00mm <sup>2</sup>	2x2x1.00mm <sup>2</sup> +0.80mm	7.10	41	95
46261004				
1.00mm <sup>2</sup>	4x2x1.00mm <sup>2</sup> +0.80mm	11.00	80	180
46261501				
1.50mm <sup>2</sup>	1x2x1.50mm <sup>2</sup> +0.80mm	7.00	32	75
46261502				
1.50mm <sup>2</sup>	2x2x1.50mm <sup>2</sup> +0.80mm	8.00	60	125
46261504				
1.50mm <sup>2</sup>	4x2x1.50mm <sup>2</sup> +0.80mm	12.00	115	230

## 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 7.5 x Cable Diameter, Flexing 12 x Cable Diameter
Conductor Resistance(max.)	0.80mm--36.6 Ω/km; 1mm <sup>2</sup> --18 Ω/km; 1.50mm <sup>2</sup> --12.1 Ω/km
Operating Voltage	300 V
Test Voltage (50 Hz) (Core/Core - Core/Screen)	2000 V-500 V
Insulation Resistance	>200 M.Ωxkm
Capacitance(800Hz)(max.)	120 nF/km
Capacitance Unbalance (max) (800Hz)	200 pF/100m
Temperature Range	Fixed -30 °C .....+80 °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, BS/BS/EN 50200 PH120 (more than 20 mm cable diameter BS/EN 50362 is applicable)
Smoke Density	TS/BS/IEC/EN 61034-1+2
Corrosive Gases Measurement	IEC 60754-2, BS/EN 50267