



## Fire Resistant Cables- Fireguard-UK FG FRC 180 PH30



Fireguard cables are manufactured with latest technology to ensure consistent quality and reliability. All the cables are fully traceable with batch no. Fireguard Cables are LPCB approved to BS 6387 CWZ and EN 50200 for 2, 3 & 4 Cores.

### Features:

Halogen Free Flame retardant

Low Smoke

Supplied on robust plastic reels

Safe & Easy to handle

Weather & Moisture resistant

100m, 500m reels and other special lengths available on request

### Construction

Conductor	Solid bare copper (IEC/ EN 228, BS 6360, VDE 0295, HD 383)
Insulation	Fire resistant silicon rubber (HD 22.1, 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
Shield	Aluminum laminated polyester tape
Sheath	HFFR, Red (RAL 3000) or White; EN 50290-2, VDE 0207 HM2, BS 7655 LTS1 / LTS3

### Technical and Electrical Properties (20°C)

Conductor Resistance (max.)	1 mm <sup>2</sup> : 18 Ω/km - 1.5 mm <sup>2</sup> : 12 Ω/km - 2.5 mm <sup>2</sup> : 7.4 Ω/km	
Insulation Resistance (min.)	200 M.Ωxkm	
Operating Voltage	300 V / 500 V	Test Voltage 2000 V
Temperature Range	Fixed -30 °C ...+90 °C	Flexing -5 °C ...+60 °C
Min. Bending Radius	Fixed 8 x Cable Diameter,	Flexing 15 x Cable Diameter



Flame Tests 2-4	IEC / EN 60332-1, IEC 60332-3-24, (BS 4066 part 1&3), EN 50266-
Insulation Integrity	IEC 60331, BS 6387 C, W, Z, EN 50200 PH30
Smoke Density	IEC / EN 61034, BS 7622, HD 606
Corrosive Gas Measurement	IEC 60754-2, BS 6425, EN 50267

Cross Section (mm <sup>2</sup> )	Dia. (+/-5%) mm	Copper W (kg/km)	Cable W. (kg/km)
2x1.00	5.80	23	51
3x1.00	6.00	32	65
4x1.00	6.60	41	81
2x1.50	6.65	33	70
3x1.50	6.75	46	90
4x1.50	7.60	59	110
2x2.50	7.80	50	100
3x2.50	8.25	72	135
4x2.50	9.10	95	165

**Approvals LPCB**



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