

FireKab® NGF FE180 PH30 (CU/SI/OSCR/LSZH)

RoHS



Construction

Conductor	Solid bare copper (IEC/ EN 228, BS 6360, VDE 0295, HD 383)
Insulation	Fire resistant silicon rubber (HD 22.1, BS 7655 El 2), 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	Aluminium 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 ² : 18 Ω/km - 1.5 mm ² : 12 Ω/km - 2.5 mm ² : 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	IEC / EN 60332-1, IEC 60332-3-24, (BS 4066 part 1&3), EN 50266-2-4	
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	

PART NUMBER | NO. OF CORES / CROSS SECTION (mm²) | CABLE DIAMETER (mm) (±5%) | COPPER WEIGHT (Kg/Km) | CABLE WEIGHT (Kg/Km)

1.00 mm²				
46301002	2x1.00	5.80	23	51
46301003	3x1.00	6.00	32	65
46301004	4x1.00	6.60	41	81
46301005	5x1.00	7.50	50	101
46301007	7x1.00	7.85	70	130
1.50 mm²				
46301502	2x1.50	6.65	33	70
46301503	3x1.50	6.75	46	90
46301504	4x1.50	7.60	59	110
46301505	5x1.50	8.50	75	140
46301507	7x1.50	9.20	104	180
2.50 mm²				
46302502	2x2.50	7.80	50	100
46302503	3x2.50	8.25	72	135
46302504	4x2.50	9.10	95	165