

# FIRE RESISTANT CABLES



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# FireNor PH30

## Fire Resistant Cable



NORDEN FireNor PH30 Fire Resistant cables are manufactured within the specific requirement of Fire Resistant Cable standards and comply with the requirements of the following.

### Flame Tests:

BS 4066 part 1 & 3, EN 50266-2-4, IEC 60332-3-24, IEC/EN 60332-1

### Insulation Integrity:

BS 6387 CWZ, EN 50200 PH30, IEC 60331

### Smoke Density:

BS 7622, IEC/EN 61034, HD 606

### Corrosive Gas Measurement:

BS EN 50267-2-2, IEC 60754-2



## CABLE CONSTRUCTION

Conductor	Plain annealed copper to BS 6360 Solid
Insulation	Fire Resistant Silicon Rubber to BS 7655 - E12
Insulation Colour	2 Core: blue/brown 3 Core: brown/black/grey 4 Core: blue/brown/black/grey
Shield	Aluminum laminated Polyester Tape
Coverage	100 % (Overlapping 20%)
Earth Wire	Tinned Copper to BS 6360 Solid 0.80mm
Outer Jacket	LSZH, Halogen Free Flame Retardant to EN 50290-2, BS 7655 LTS1/LTS3
Colour	Red (RAL 3000) or White

## ELECTRICAL & MECHANICAL CHARACTERISTICS

CHARACTERISTIC	VALUE		
	1.0 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Max. Conductor Resistant at 20°C Ω/km	18.0	12.0	7.4
Min. Insulation Resistant at 0°C MΩxkm	200	200	200
Operating Voltage	300/500 V		
Test Voltage	2000 V		
Temperature Rating (Fixed)	-30°C to + 90°C		
Temperature Rating (Flexing)	-5°C to + 60°C		
Min. Bend Radius (Fixed)	8 x D		
Min. Bend Radius (Flexing)	15 x D		

LPCB approved to BS 6387 and BS EN50200 PH30 (2, 3 & 4 core) only



# FireNor PH30

## Fire Resistant Cable



### PHYSICAL CHARACTERISTICS

Nom. Conductor Cross-Sect. sq.mm	Conductor Size no./mm	Earth Wire Size no./mm	Cable diameter mm (+/-5%)	Weight Kg/km
2 x 1.0	1/1.12	1/0.80	5.80	51.0
3 x 1.0	1/1.12	1/0.80	6.00	65.0
4 x 1.0	1/1.12	1/0.80	6.60	81.0
2 x 1.5	1/1.37	1/0.80	6.65	70.0
3 x 1.5	1/1.37	1/0.80	6.75	90.0
4 x 1.5	1/1.37	1/0.80	7.60	110.0
2 x 2.5	1/1.75	1/0.80	7.80	100.0
3 x 2.5	1/1.75	1/0.80	8.25	135.0
4 x 2.5	1/1.75	1/0.80	9.10	165.0

### ORDERING INFORMATION

PART NUMBER	DESCRIPTION	LENGTH
51-1002X	FireNor PH30 Fire Resistant Cable 2c x 1.0 mm2	100/500 mtr
51-1502X	FireNor PH30 Fire Resistant Cable 2c x 1.5 mm2	100/500 mtr
51-2502X	FireNor PH30 Fire Resistant Cable 2c x 2.5 mm2	100/500 mtr
51-1003X	FireNor PH30 Fire Resistant Cable 3c x 1.0 mm2	100/500 mtr
51-1503X	FireNor PH30 Fire Resistant Cable 3c x 1.5 mm2	100/500 mtr
51-2503X	FireNor PH30 Fire Resistant Cable 3c x 2.5 mm2	100/500 mtr
51-1004X	FireNor PH30 Fire Resistant Cable 4c x 1.0 mm2	100/500 mtr
51-1504X	FireNor PH30 Fire Resistant Cable 4c x 1.5 mm2	100/500 mtr
51-2504X	FireNor PH30 Fire Resistant Cable 4c x 2.5 mm2	100/500 mtr

X: Jacket colour, RD: Red and WH: White