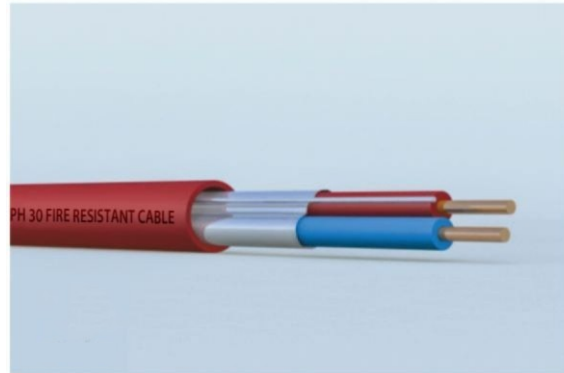


# PH 30 FIRE RESISTANT CABLE



NORDEN FireNor PH 30 Fire Resistant Cables are manufactured within the specific requirement of fire resistant cable standards. The Fire Resistant Cable assures reliable circuit integrity to keep emergency evacuation systems operational even whilst the cable is burning.



## CABLE CONSTRUCTION

### Conductor

Plain Annealed Copper to BS 6360 Solid

### Screen

Aluminium Sheet

### Sheath Color

Red (RAL 3000) or White

### Insulation

Fire Resistant Silicon Rubber

### Earth Wire

Tinned Copper to BS 6360 Solid 0.80mm

### Standard Packing Mode

100 mtr / Plywood Reel  
500 mtr / Plywood Reel (optional)

### Insulation Colour

2 Core: Blue/Brown  
3 Core: Blue/Brown/Black  
4 Core: Blue/Brown/Black/Grey

### Sheath

Extruded LSZH, Halogen Free Flame Retardant to BS 7655 LTS1/LTS3

### Rip Code

Yes

Flame Tests	Insulation Integrity	Smoke Density	Corrosive Gas easurement	Other Standards
BS 4066 part 1 IEC/EN 60332-1	IEC 60331 BS 6387 CWZ EN 50200 PH30	BS 7622 IEC/EN 61034 HD 606	BS EN 50267-2-2 IEC 60754-2	BS 6387:2013 (Category CWZ) EN 50200:2015 (Class PH30) EN 50200:2015 Annex E (30 mins) EN 61034-2:2005+A2:2020 EN 60754-1:2014 EN 60332-1-2:2004

## ELECTRICAL & MECHANICAL CHARACTERISTICS

Properties	Value		
	1.0 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Max. Conductor Resistant @ 20°C	18.0 Ω/km	12.0 Ω/km	7.4 Ω/km
Min. Insulation Resistant @ 0°C	200 M Ω/km		
Voltage Rating	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		

## PHYSICAL INFORMATION

Nom. Cond. Cross-Sect. mm <sup>2</sup>	Conductor Size no./mm	Insulation		Earth Wire Size no./mm	Jacket		Weight/km
		Thickness	OD		Thickness	OD	
2 x 1.0	1/1.12	0.60	2.32	1/0.8	0.90	7.10	60.0
2 x 1.5	1/1.37	0.60	2.60	1/0.8	0.90	7.60	72.0
2 x 2.5	1/1.75	0.60	3.00	1/0.8	0.90	8.40	95.0
3 x 1.0	1/1.12	0.70	2.52	1/0.8	0.90	7.85	80.0
3 x 1.5	1/1.37	0.70	2.80	1/0.8	0.90	8.50	100.0
3 x 2.5	1/1.75	0.70	3.20	1/0.8	1.00	9.60	138.0
4 x 1.0	1/1.12	0.80	2.72	1/0.8	0.90	9.00	105.0
4 x 1.5	1/1.37	0.80	3.00	1/0.8	1.00	9.90	135.0
4 x 2.5	1/1.75	0.80	3.35	1/0.8	1.00	10.80	179.0

## ORDERING INFORMATION

Part Number	Description
51-1002X	PH30 Fire Resistant Cable, 2C x 1.0 mm <sup>2</sup>
51-1502X	PH30 Fire Resistant Cable 2C x 1.5 mm <sup>2</sup>
51-2502X	PH30 Fire Resistant Cable 2C x 2.5 mm <sup>2</sup>
51-1003X	PH30 Fire Resistant Cable 3C x 1.0 mm <sup>2</sup>
51-1503X	PH30 Fire Resistant Cable 3C x 1.5 mm <sup>2</sup>
51-2503X	PH30 Fire Resistant Cable 3C x 2.5 mm <sup>2</sup>
51-1004X	PH30 Fire Resistant Cable 4C x 1.0 mm <sup>2</sup>
51-1504X	PH30 Fire Resistant Cable 4C x 1.5 mm <sup>2</sup>
51-2504X	PH30 Fire Resistant Cable 4C x 2.5 mm <sup>2</sup>

X > RD:Red WH:White