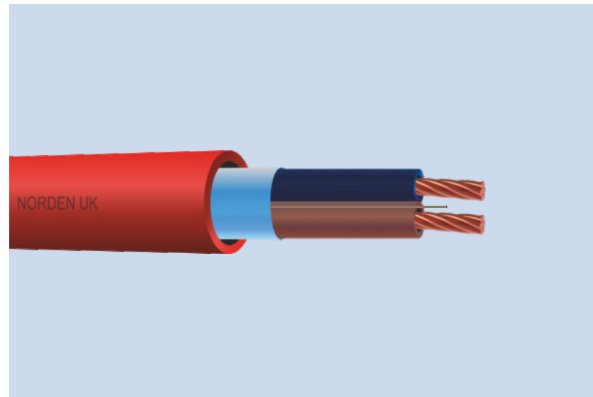


PH30 STRANDED CONDUCTOR SHIELDED FIRE RESISTANT CABLE



NORDEN FireNor PH30 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. FireNor Fire resistant cables can be 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, hotels etc. FireNor products have low smoke density, are halogen free and they don't emit poisonous gases.



CABLE CONSTRUCTION

Conductor

Annealed Copper wires (Class 5)

Screen

AL/PET Foil

Drain Wire

Bare Copper

Insulation

Silicone Rubber

Sheath

LSZH

Sheath Color

Red/White

Insulation Colour

2 Core: Brown and Blue

Standard Packing Mode

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

Flame Propagation	Fire Resistance	Smoke Density	Corrosive Gases Measurement
IEC 60332-1-2 IEC 60332-3-24	EN 50200 PH 30 ANNEXE 30min @830°C-fire+mechanical shock, 15min @830°C-fire+mechanical shock	IEC 61034-1/2	IEC 60754-1/2

ELECTRICAL & MECHANICAL CHARACTERISTICS

Properties	Value		
	1.0 mm ²	1.5 mm ²	2.5 mm ²
Max. Conductor Resistant @ 20°C	19.5 Ω/km	13.30 Ω/km	8.1 Ω/km
Min. Insulation Resistant @ 0°C	200 MΩxkm		
Operating Voltage	300/500 V		
Test Voltage	2000 V		
Temperature Range (Operation)	-30°C to + 180°C		
Temperature Range (Installation)	-5°C to + 50°C		
Min. Bend Radius	8 x D		

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PHYSICAL INFORMATION

Nom. Cond. Cross-Sect. mm ²	Cable Diameter mm (±2 %)	Cable Weight Kg/km
2 x 1.0	5.80	44.90
2 x 1.5	6.65	59.60
2 X 2.5	8.00	92.40

ORDERING INFORMATION

Part Number	Description
5J-1002XY	PH30 Stranded Conductor Shielded Fire Resistant Cable, 2C x 1.0 mm ²
5J-1502XY	PH30 Stranded Conductor Shielded Fire Resistant Cable, 2C x 1.5 mm ²
5J-2502XY	PH30 Stranded Conductor Shielded Fire Resistant Cable, 2C x 2.5 mm ²

X (Colour code) → RD:Red WH:White

Y (Packing length) → 1:100mtr, 2: 500mtr