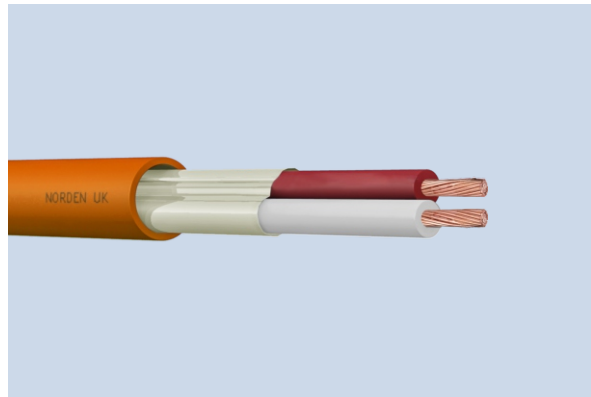


PH120 STRANDED CONDUCTOR UNSHEILDED FIRE RESISTANT CABLE 600/1000V



NORDEN FireNor PH120 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

Stranded annealed copper wires (Class 5)

Screen

Unshielded

Standard Packing Mode

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

Insulation

Fire resistant silicon rubber

Sheath

Halogen Free Flame Retardant Compound (HFFR/LSZH)

Fire Barrier

Fibre Glass Tape

Sheath Color

RAL2004 Orange

Flame Tests	Insulation Integrity	Smoke Density	Corrosive Gases Measurement
IEC 60332-1 IEC 60332-3-24	IEC 60331-21 EN 50200 PH 120 BS 6387 (C, W, Z)	IEC 61034-1/2	IEC 60754-1/2

ELECTRICAL & MECHANICAL CHARACTERISTICS

Properties	Value	
	1.5 mm ²	2.5 mm ²
Max. Conductor Resistant @ 20°C	13.30Ω/km	7.98Ω/km
Min. Insulation Resistant @ 0°C	200 MΩxkm	
Operating Voltage	600/1000 V	
Test Voltage	3500 V	
Temperature Rating (Fixed)	-30°C to + 90°C	
Temperature Rating (Flexing)	-10°C to + 90°C	
Min. Bend Radius (Fixed)	8 x D	
Min. Bend Radius (Flexing)	15 x D	



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PHYSICAL INFORMATION

Nom. Cond. Cross-Sect. mm ²	Cable Diameter mm (±5 %)	Copper Weight Kg/km	Weight Kg/km
1 x 1.5	4.01	12.0	27.69
1 x 2.5	4.54	20.0	39.22
2 x 1.5	8.33	24.14	74.13
2 x 2.5	9.39	40.20	101.70
3 x 1.5	8.83	36.22	96.36
3 x 2.5	9.86	60.36	131.63

ORDERING INFORMATION

Part Number	Description
30-1501X	PH120 Stranded Conductor Unshielded Fire Resistant Cable 600/1000V, 1C x 1.5mm ²
30-2501X	PH120 Stranded Conductor Unshielded Fire Resistant Cable 600/1000V, 1C x 2.5mm ²
30-1502X	PH120 Stranded Conductor Unshielded Fire Resistant Cable 600/1000V, 2C x 1.5mm ²
30-2502X	PH120 Stranded Conductor Unshielded Fire Resistant Cable 600/1000V, 2C x 2.5mm ²
30-1503X	PH120 Stranded Conductor Unshielded Fire Resistant Cable 600/1000V, 3C x 1.5mm ²
30-2503X	PH120 Stranded Conductor Unshielded Fire Resistant Cable 600/1000V, 3C x 2.5mm ²

X → OR:Orange