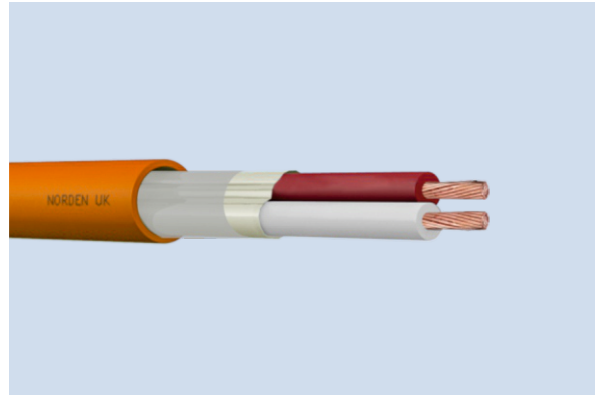


# PH120 STRANDED CONDUCTOR SHIELDED FIRE RESISTANT CABLE



NORDEN FireNor PH120 fireresistat cables are manufactured within the specific requirement of fireresistant 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 semiintelligent 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)

### Fire Barrier

Fibre Glass Tape

### Screen

AL/PET Foil

### Insulation

Fire resistant silicon rubber

### Sheath

Halogen Free Flame Retardant Compound (HFFR/LSZH)

### Drain Wire

Stranded Tinned Copper

### Insulation Colour

2 Core: White/Brown

### Standard Packing Mode

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

### Sheath Color

RAL2004 Orange, Red

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 <sup>2</sup>	2.5 mm <sup>2</sup>
Max. Conductor Resistant @ 20°C	13.30Ω/km	7.98Ω/km
Min. Insulation Resistant @ 0°C	200 MΩxkm	
Operating Voltage	300/500 V	
Test Voltage	2000 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 <sup>2</sup>	Cable Diameter mm (±5 %)	Copper Weight Kg/km	Weight Kg/km
2 x 1.5	8.0	28.66	76.31
2 x 2.5	9.46	44.71	108.67

## ORDERING INFORMATION

Part Number	Description
53-1502X	PH120 Stranded Conductor Shielded Fire Resistant Cable, 2C x 1.5mm <sup>2</sup>
53-2502X	PH120 Stranded Conductor Shielded Fire Resistant Cable, 2C x 2.5mm <sup>2</sup>

X → OR:Orange, RD: Red

Packing Length: 1 : 100Mtr ; 2 : 500Mtr