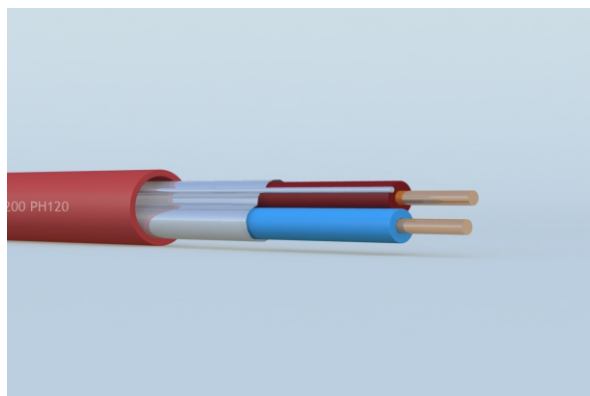


STANDARD FIRE RESISTANT CABLE PH120



NORDEN FireNor Standard 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

EN 60228 Class 1 (RE)
Electrolytic Copper

Drain Wire

Tinned Copper

Sheath

HFFR Compound
EN 50290-2-27

Insulation

EN 50363-1 E12 Cross-linked
Ceramic Forming Polymer Compound

Wrapping

Polyester Tape

Sheath Color

Red (RAL 3000)

Insulation Colour

Blue, Brown, Black, Grey

Overall Screen

Aluminium Polyester Tape

Standard Packing Mode

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

Flame Tests	Insulation Integrity	Smoke Density	Corrosive Gases & Halogen Free Test
IEC 60332-1-2 VDE 0482-332-1-2 EN 60332-1-2 IEC 60332-3-24 VDE 0482-332-3-24 EN 60332-3-24	IEC 60331-21 BS 6387 C, W, Z Cat,C fire @950°C - 180 min Cat,W fire and water @ 650°C -15 +15 min Cat,Z fire and mechanical shocks @ 950°C - 15 min. EN 50200 PH 120	IEC 61034-2 VDE 0482-1034-2 EN 61034-2	IEC 60754-2 VDE 0482-267-2-3 EN 50267-2-3 IEC 60754-1 VDE 0482-267-2-1 EN 50267-2-1

ELECTRICAL & MECHANICAL CHARACTERISTICS

Properties	Value		
	1.0 mm ²	1.5 mm ²	2.5 mm ²
Max. Conductor Resistant @ 20°C	18.1Ω/km	12.1 Ω/km	7.4 Ω/km
Min. Insulation Resistant @ 0°C	200 MΩxkm		
Operating Voltage	300/500 V		
Test Voltage	2000 V		
Temperature Rating (Fixed)	-30°C to + 70°C		
Temperature Rating (Flexing)	-5°C to + 60°C		
Min. Bend Radius (Fixed)	6 x D		
Min. Bend Radius (Flexing)	15 x D		



PHYSICAL INFORMATION

Nom. Cond. Cross-Sect. mm ²	Conductor Size no./mm	Drain Wire Size no./mm	Cable Diameter mm (±5 %)	Weight (Kg/Km)
2 x 1.0	1/1.12	1/1.12	6.0	60.0
2 x 1.5	1/1.37	1/1.37	7.0	79.0
3 x 1.5	1/1.37	1/1.37	7.6	105.0
4 x 1.5	1/1.37	1/1.37	8.3	128.0
2 x 2.5	1/1.75	1/1.75	8.4	113.0
3 x 2.5	1/1.75	1/1.75	9.10	153.0
4 x 2.5	1/1.75	1/1.75	10.10	195.0

ORDERING INFORMATION

Part Number	Description
5A-1002XY	Standard Fire Resistant Cable EN 50200 PH120, 2C x 1.0mm ²
5A-1502XY	Standard Fire Resistant Cable EN 50200 PH120, 2C x 1.5mm ²
5A-1503XY	Standard Fire Resistant Cable EN 50200 PH120, 3C x 1.5mm ²
5A-1504XY	Standard Fire Resistant Cable EN 50200 PH120, 4C x 1.5mm ²
5A-2502XY	Standard Fire Resistant Cable EN 50200 PH120, 2C x 2.5mm ²
5A-2503XY	Standard Fire Resistant Cable EN 50200 PH120, 3C x 2.5mm ²
5A-2504XY	Standard Fire Resistant Cable EN 50200 PH120, 4C x 2.5mm ²

X (Colour code) > RD:Red

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