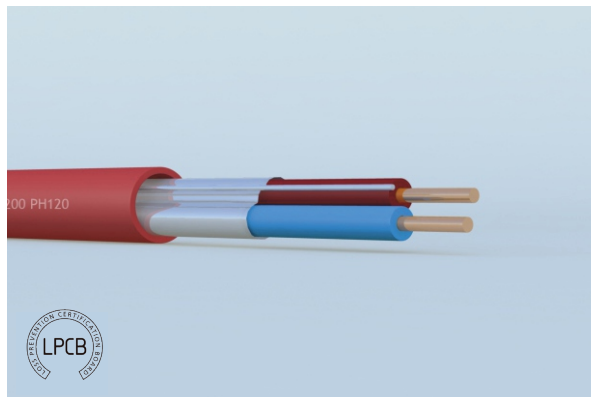


NORDEN Premium fire resistant cables are manufactured within the specific requirement of fire resistant cable standards. The fire resistant cable assures reliable circuit integrity to keep emergency evacuation systems operational even whilst the cable is burning. Norden fire resistant cables can be used 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. Norden fire resistant cables have low smoke density, are halogen free and they don't emit poisonous gases.



CABLE CONSTRUCTION

Conductor

Electrolytic Solid Copper
IEC 60228/ DIN EN 60228/
EN 60228 Class 1

Insulation

Fire resistant silicon rubber
EN 50363-1 EI2

Insulation Colour

2 Core: Blue/Brown

Drain Wire

Tinned Copper

Sheath

HFFR Compound
BS 7655-6.1 LTS 3

Screen

Aluminium Polyester Foil

Sheath Color

Red (RAL 3000) or White

Standard Packing Mode

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

Flame Tests	Insulation Integrity	Smoke Density	Corrosive Gases & Halogen Free Test	LPCB Standards
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 60331-23 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 EN 50200(Annex E)	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	BS 7629-1:2015 (Standard 60) BS 6387:2013 (Category CWZ) BS 5839-1:2013 (Clause 26.2d Standard) EN 50200:2015 (Class PH120) EN 50200:2015 Annex E EN 60754-2:2014 EN 60332-3-22:2009

ELECTRICAL & MECHANICAL CHARACTERISTICS

Properties	Value			
	1.0 mm ²	1.5 mm ²	2.5 mm ²	4.0 mm ²
Max. Conductor Resistant @ 20°C	18.1Ω/km	12.1 Ω/km	7.4 Ω/km	4.61 Ω/km
Min. Insulation Resistant @ 0°C	200 MΩxkm			
Operating Voltage	300/500 V			
Test Voltage	2000 V			
Temperature Rating (Fixed)	-40°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	6.90	77.14
2 x 1.5	1/1.37	1/1.37	7.90	101.39
3 x 1.5	1/1.37	1/1.37	8.20	124.46
4 x 1.5	1/1.37	1/1.37	9.20	156.39
2 x 2.5	1/1.75	1/1.75	9.30	148.19
3 x 2.5	1/1.75	1/1.75	11.0	184.4
4 x 2.5	1/1.75	1/1.75	10.80	229.93
2 x 4.0	1/2.30	1/2.30	10.30	201.56
3 x 4.0	1/2.30	1/2.30	10.40	253.33
4 x 4.0	1/2.30	1/2.30	12.10	315.96

ORDERING INFORMATION

Part Number	Description
66-1002XY	Premium Fire Resistant Cable EN 50200 PH120, 2C x 1.0mm ²
66-1502XY	Premium Fire Resistant Cable EN 50200 PH120, 2C x 1.5mm ²
66-1503XY	Premium Fire Resistant Cable EN 50200 PH120, 3C x 1.5mm ²
66-1504XY	Premium Fire Resistant Cable EN 50200 PH120, 4C x 1.5mm ²
66-2502XY	Premium Fire Resistant Cable EN 50200 PH120, 2C x 2.5mm ²
66-2503XY	Premium Fire Resistant Cable EN 50200 PH120, 3C x 2.5mm ²
66-2504XY	Premium Fire Resistant Cable EN 50200 PH120, 4C x 2.5mm ²
66-4002XY	Premium Fire Resistant Cable EN 50200 PH120, 2C x 4.0mm ²
66-4003XY	Premium Fire Resistant Cable EN 50200 PH120, 3C x 4.0mm ²
66-4004XY	Premium Fire Resistant Cable EN 50200 PH120, 4C x 4.0mm ²

X [Colour code] → RD:Red WH:White OR:Orange

Y [Packing length] → 1:100mtr, 2: 500mtr