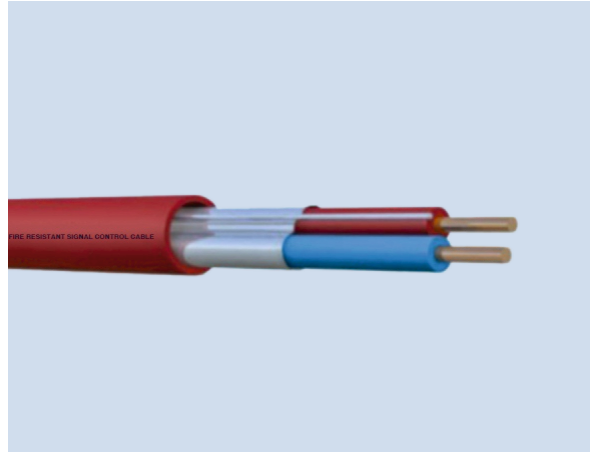


# FIRE RESISTANT SIGNAL CONTROL CABLE



NORDEN fire-resistant signal control cables are manufactured to meet specific fire-resistant cable standards. These cables ensure reliable circuit integrity, keeping emergency evacuation systems operational even while burning. Fire-resistant signal control cables can be used for fire alarm systems, power supply, or control of equipment that needs to function during a fire, such as warning systems, emergency lighting, evacuation, and monitoring systems. They are suitable for use in intelligent or semi-intelligent buildings with dense human populations or valuable goods, such as hospitals, cinemas, theatres, schools, shopping centres, airports, factories, and hotels. These cables have low smoke density, are halogen-free, and do not emit poisonous gases.



## CABLE CONSTRUCTION

### Conductor

Electrolytic Copper  
EN 60228 Class 1 (RE) & 2 (RM)

### Separator

Pes Tape

### Sheath

EN 50290-2-27 HFFR Compound

### Insulation

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

### Overall Screen

Al-Pes Tape

### Standard Packing Mode

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

### Insulation Colour

2-core : Brown, Blue or Brown, Brown  
3-core : Brown, Black, Grey  
4-core : Blue, Brown, Black, Grey

### Drain Wire

Tinned Copper

### Sheath Color

Red (RAL 3000 )

Flame Tests	Insulation Integrity	Smoke Density	Corrosive Gas & Halogen Free Measurement
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	BS 6387: 2013 (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 IEC 60331-21 (FE180) EN 50200 VDE 0482-200 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 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Max. Conductor Resistance	18.1Ω/km	12.1Ω/km	7.41 Ω/km
Operating Voltage	300/500V		
Test Voltage	2000 V		
Temperature Rating (Fixed)	-30°C to + 70°C		
Temperature Rating (Flexing)	-5°C to + 50°C		
Min. Bend Radius	6 x D		



# FIRE RESISTANT SIGNAL CONTROL CABLE



## PHYSICAL INFORMATION

Nom. Cond. Cross-Sect. (mm <sup>2</sup> )	Earth Wire Size (mm <sup>2</sup> )	Cable Diameter (mm) (± 10 %)	Weight Kg/km
2 x 1.0	0.5	6.00	65
2 x 1.5	0.5	7.00	79
2 x 2.5	0.5	8.40	113
3 x 2.5	0.5	9.10	153

## ORDERING INFORMATION

Part Number	Description
6Q-1002XY	Fire Resistant Signal Control Cable 2C x 1.0 mm <sup>2</sup>
6Q-1502XY	Fire Resistant Signal Control Cable 2C x 1.5mm <sup>2</sup>
6Q-2502XY	Fire Resistant Signal Control Cable 2C x 2.5mm <sup>2</sup>
6Q-2503XY	Fire Resistant Signal Control Cable 3C x 2.5mm <sup>2</sup>

X (Colour code) → RD : Red

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