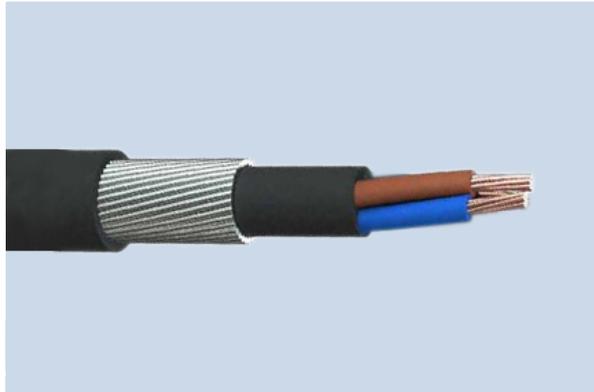


STEEL WIRE ARMoured FIRE RESISTANT CABLE



NORDEN FireNor 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. FireNor products have low smoke density, are halogen free and they don't emit poisonous gases. Suitable for direct burial, trough, tray, ladder or other installations requiring a robust armoured cable.



CABLE CONSTRUCTION

Conductor

Plain annealed stranded copper wires (IEC/EN 228, HD 383, BS 6360, VDE0295 Class 2)

Insulation Colour

2 Core: Blue/Brown
3 Cores: Blue/Brown/Grey

Sheath

Halogen free flame retardant compound (HFFR/LSZH/LSOH/FRNC) (EN 50290-2, VDE 0207 HM2, BS 7655 LTS1/LTS3)

Flame Barrier

Mica tape

Bedding

LSOH, Black (RAL 9005)

Sheath Color

Black (RAL 9005)

Insulation

XLPE

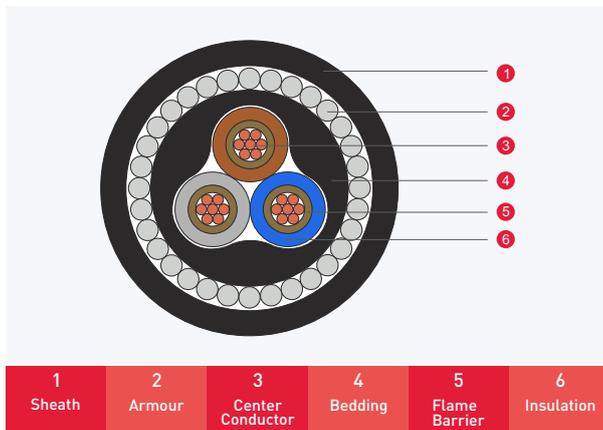
Armour

Single layer of round galvanized steel wire

Reference Standard

BS 7846

SECTION VIEW



COMPLIANCE

Flame Tests	Insulation Integrity	Smoke Density	Corrosive Gases Measurement
IEC 60332-1 IEC 60332-3-24 (CAT-C) EN 50266-2-4	IEC 60331 BS 6387 C, W, Z	IEC/EN 61034-2 BS7622 HD 606	IEC 60754-2 EN 50267 BS 6425



ELECTRICAL & MECHANICAL CHARACTERISTICS

Properties	Value	
	1.5 mm ²	2.5 mm ²
Max. Conductor Resistant @ 20°C	12.1Ω/km	7.41 Ω/km
Min. Insulation Resistant @ 0°C	>5000MΩxkm	
Operating Voltage	0.6/1 kV	
Test Voltage	3500 V	
Temperature Range	-40°C to + 90°C	
Min. Bend Radius	12 x D	

PHYSICAL INFORMATION

Nom. Cond. Cross-Sect. mm ²	Conductor Size no.of strands/mm	Cable Diameter mm (±10 %)	Weight Kg/km
2 x 1.5	7/0.52	13.5	377.7
2 x 2.5	7/0.66	14.9	453.5
3 x 1.5	7/0.52	14.1	407.1
3 x 2.5	7/0.66	15.6	498.7

ORDERING INFORMATION

Part Number	Description
57-1502X	2 Core 1.5 Sq.mm Steel Wire Armoured Fire Resistant Cable
57-2502X	2 Core 2.5 Sq.mm Steel Wire Armoured Fire Resistant Cable
57-1503X	3 Core 1.5 Sq.mm Steel Wire Armoured Fire Resistant Cable
57-2503X	3 Core 2.5 Sq.mm Steel Wire Armoured Fire Resistant Cable

X → BK:Black, RD:Red, WH:White, OR:Orange