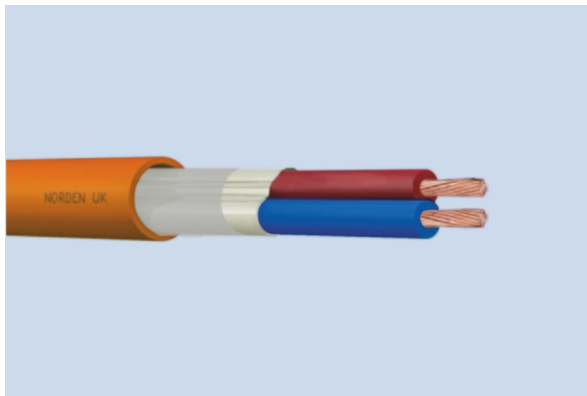


# STRANDED CONDUCTOR SHIELDED FIRE-RESISTANT CABLE



NORDEN Stranded conductor shielded 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 centres, airports, factories, hotels etc. Norden fire resistant cables have low smoke density, are halogen free and they don't emit poisonous gases.



## CABLE CONSTRUCTION

<b>Conductor</b> Stranded Bare copper (Class 2)	<b>Fire Barrier</b> Mica tape	<b>Insulation Colour</b> 2 Core: Brown /Blue	<b>Sheath</b> LSZH
<b>Insulation</b> Polyolefin	<b>Screen</b> AL Foil	<b>Drain Wire</b> Tinned Copper	

## STANDARD COMPLIANCE:

IEC 60332-3A  
 IEC 60331, BS 6387 CWZ  
 IEC 60754-1, IEC 61034-1, IEC 61034-2

## ELECTRICAL & MECHANICAL CHARACTERISTICS

Properties	Value	
	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Max. Conductor Resistant @ 20°C	12.1Ω/km	7.41Ω/km
Insulation Thickness	≥0.7mm	
Drain Wire	7/0.30 TC	
Jacket Thickness	≥0.9mm	
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	Cable Weight Kg/100M	Cable Weight Kg/500M	Cable Weight Kg/KM
2 x 1.5	8.6 ± 0.3	9.3	46.3	92.5
2 x 2.5	10.5 ± 0.3	13.5	66.4	133.0

## ORDERING INFORMATION

Part Number	Description
6E-1502XY	2 Core 1.5 Sq.mm Stranded Conductor shielded Fire-resistant cable
6E-2502XY	2 Core 2.5 Sq.mm Stranded Conductor shielded Fire-resistant cable

X → OR:Orange, RD : Red  
Y (Packing length) → 1:100mtr, 2: 500mtr