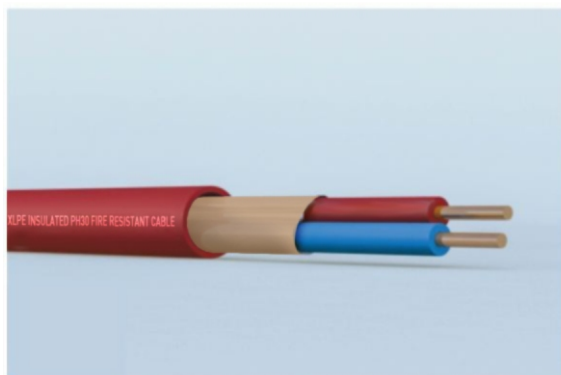


NORDEN XLPE Insulated PH 30 fire resistant cables are manufactured within the specific requirement of fire resistant cable standards. The fire resistant cable assures reliable circuit integrity to keep emergency evacuation systems operational even whilst the cable is burning.



CABLE CONSTRUCTION

Conductor

Stranded annealed copper wire
IEC 60228 class 2

Insulation

Mica Tape+ XLPE (EN 50290-2)

Core Colors

White cores with numbers

Outer Sheath

Halogen Free Flame
Retardant compound EN 50290-2
VDE 0207 HM2 BS 7655 LTS1/LTS3

Lay-Up

Core stranded together
with talk powder

Ref. Standards

IEC 60502 (Adapted)

Length Tolerance

±5%

Flame Tests	Insulation Integrity	Smoke Density	Corrosive Gas Measurement
IEC /EN 60332-1 IEC 60332-3-22 (CAT-A) (BS 4066 part 1 &3) EN 50266-2-2	IEC 60331(3hrs. fire test @750°C) BS 6387 C W (Cat C: 3hrs fire test @ 950°C, Cat W: 15min fire and water test @ 650°C) EN50200 min.PH30	EN/IEC 61034 BS 7622 HD 606	IEC 60754-2 BS 6425 EN 50267

ELECTRICAL & MECHANICAL CHARACTERISTICS

Properties	Value		
	1.0	1.50	2.50
Cross Section (mm ²)			
Conductor [Cu]	7*0.43 mm	7*0.52 mm	7*0.66 mm
Operating Voltage	600/1000 V		
Test Voltage (1 min)	3500 V		
Conductor Resistance(max. Ω/km)	According to IEC 60228, HD383, BS6360		
Insulation Resistance (min. MΩ.km)	5000		
Temperature Range	fixed -40°C to +90°C, during installation -5°C to +55°C		
Min. Bending Radius (fixed)	10 x Cable diameter		
Oxygen Index	Min.34%		
Oil Resistance (IEC 60811)	ASTM No 2 oil 70°C 4 hours		

PHYSICAL INFORMATION

Nom. Cond. Cross-Sect. (mm)	Conductor Size (no./mm)	Cable Diameter mm ($\pm 5\%$)	Weight (Kg/km)	Max. Conductor resistance @ 20°C (Ω/km)
2x1.0	7/0.43	10.9	140	18.1
2x1.5	7/0.52	11.3	157	12.1
2x2.5	7/0.66	12.1	190	7.41

ORDERING INFORMATION

Part Number	Description
60-1011X	1 Pair 1.0 Sq.mm Mica Tape XLPE Insulated PH30 Fire Resistant Cable 500V
60-1511X	1 Pair 1.5 Sq.mm Mica Tape XLPE Insulated PH30 Fire Resistant Cable 500V
60-2511X	1 Pair 2.5 Sq.mm Mica Tape XLPE Insulated PH30 Fire Resistant Cable 500V

X:BK:Black BL:Blue OR:Orange