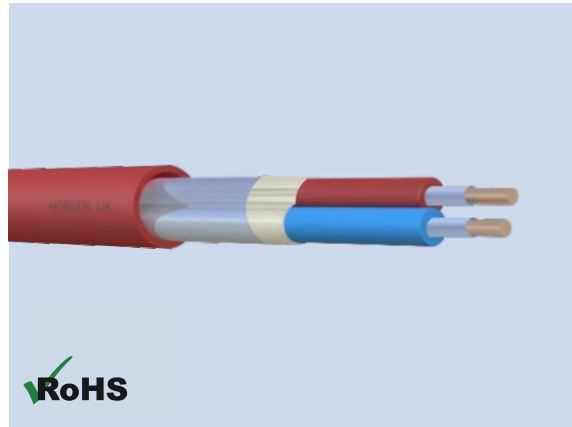


SHIELDED FIRE -RESISTANT CABLE MICA+XLPE

Norden Shielded Fire-Resistant Cable is engineered to maintain critical safety circuits during fire emergencies. It features stranded bare copper conductors insulated with Mica Tape and XLPE, providing excellent thermal and electrical stability under direct flame. It is shielded with PET foil and PES and PES tape for superior electromagnetic protection and enclosed in an outer sheath of Flame-Retardant PVC (FR-PVC) or Low Smoke Zero Halogen (LSZH) material, ensuring circuit integrity while minimizing smoke and toxic gas emissions. Its robust, fire-resilient construction makes it ideal for fire alarm systems, emergency lighting, smoke extraction systems, and other life-safety applications.



CABLE CONSTRUCTION

Conductor

Stranded Bare Copper

Insulation Colour Code

Blue/Brown

Outer Sheath

FR-PVC/LSZH

Insulation

Mica Tape+XLPE

Shielding

PET Foil + PES Tape

Parameters	Standards
Flame Tests	IEC/EN 60332-1
Insulation Integrity	IEC 60331-21, BS 6387 C, W, Z Cat-C fire (@950°C-180min, Cat-W fire and water @ 650°C-15 min Cat-Z fire and mechanical shocks @ 950°C-15 min.

ELECTRICAL & MECHANICAL CHARACTERISTICS

Properties	Value			
Cross Section(mm ²)	1.0	1.5	2.5	4.0
Conductor(mm)	7/0.43	7/0.52	7/0.66	7/0.85
Max.Conductor Resistance @ 20C(Ω)	17.64	12.06	7.49	4.51
Operating Voltage(V)	300/500V			
Breakdown Test Voltage(V)	2000V			
Min.Insulation Resistance(Ω.km)	5000Ω.km			
Temperature Range(°C)	-20°C to +70°C(FR-PVC) -40°C to +90°C(LSZH)			

PHYSICAL INFORMATION

Nom. Cond. Cross-Sect. mm ²	Insulation Thickness(mm)	Insulation Dia(mm)	Outer Jacket Thickness(mm)	Outer Jacket Dia(mm)
2 x 1.0	0.67	3.2	0.6	7.2
2 x 1.5	0.67	3.5	0.6	7.7
2 x 2.5	0.71	4.0	0.7	8.8
2 x 4.0	0.80	4.8	0.9	10.9

SHIELDED FIRE -RESISTANT CABLE MICA+XLPE

ORDERING INFORMATION

Part Number	Description
5N-1002L	2 Core 1.0mm ² MICA+XLPE Insulated Shielded Fire Resistant Cable,LSZH
5N-1502L	2 Core 1.5mm ² MICA+XLPE Insulated Shielded Fire Resistant Cable,LSZH
5N-2502L	2 Core 2.5mm ² MICA+XLPE Insulated Shielded Fire Resistant Cable,LSZH
5N-4002L	2 Core 4.0mm ² MICA+XLPE Insulated Shielded Fire Resistant Cable,LSZH
5N-1002F	2 Core 1.0mm ² MICA+XLPE Insulated Shielded Fire Resistant Cable,FR-PVC
5N-1502F	2 Core 1.5mm ² MICA+XLPE Insulated Shielded Fire Resistant Cable,FR-PVC
5N-2502F	2 Core 2.5mm ² MICA+XLPE Insulated Shielded Fire Resistant Cable,FR-PVC
5N-4002F	2 Core 4.0mm ² MICA+XLPE Insulated Shielded Fire Resistant Cable,FR-PVC