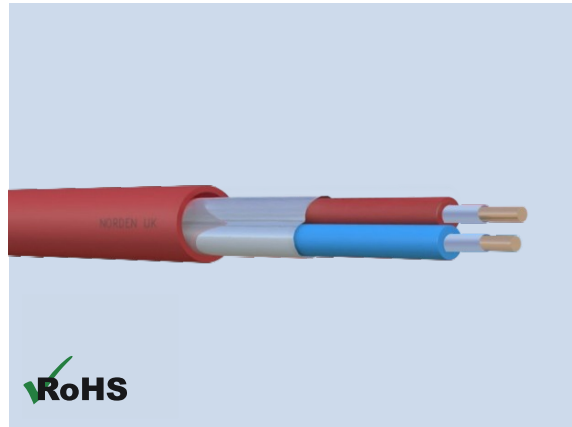


UNSHIELDED FIRE -RESISTANT CABLE MICA+XLPE

The Norden Fire-Resistant Cable is designed to maintain critical safety circuits during fire emergencies, featuring stranded bare copper conductors insulated with Mica Tape and XLPE for superior thermal and electrical stability under direct flame. The cores are bound with PES tape and protected by a Flame-Retardant PVC (FR-PVC) or Low Smoke Zero Halogen (LSZH) jacket, ensuring circuit integrity while minimizing smoke and toxic emissions. Its robust construction makes it ideal for fire alarms, emergency lighting, smoke extraction, and other life-safety systems.



CABLE CONSTRUCTION

Conductor
Stranded Bare Copper

Screening
PES Tape

Insulation Colour
Blue/Brown

Insulation
Mica Tape+XLPE

Outer Sheath
FR-PVC/LSZH

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 la 650°C-15 +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
Conductor(mm)	7/0.43	7/0.52	7/0.66
Max.Conductor Resistance @ 20C(Ω)	17.64	12.06	7.49
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	7.0
2 x 1.5	0.67	3.5	0.6	7.5
2 x 2.5	0.71	4.0	0.7	8.6

UNSHIELDED FIRE -RESISTANT CABLE MICA+XLPE

ORDERING INFORMATION

Part Number	Description
7N-1002L	2 Core 1.0mm ² MICA+XLPE Insulated Unshielded Fire Resistant Cable,LSZH
7N-1502L	2 Core 1.5mm ² MICA+XLPE Insulated Unshielded Fire Resistant Cable,LSZH
7N-2502L	2 Core 2.5mm ² MICA+XLPE Insulated Unshielded Fire Resistant Cable,LSZH
7N-4002L	2 Core 4.0mm ² MICA+XLPE Insulated Unshielded Fire Resistant Cable,LSZH
7N-1002F	2 Core 1.0mm ² MICA+XLPE Insulated Unshielded Fire Resistant Cable,FR-PVC
7N-1502F	2 Core 1.5mm ² MICA+XLPE Insulated Unshielded Fire Resistant Cable,FR-PVC
7N-2502F	2 Core 2.5mm ² MICA+XLPE Insulated Unshielded Fire Resistant Cable,FR-PVC
7N-4002F	2 Core 4.0mm ² MICA+XLPE Insulated Unshielded Fire Resistant Cable,FR-PVC