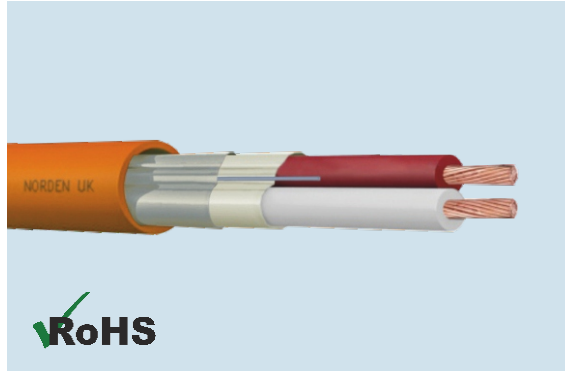


SILICONE INSULATED SHIELDED FIRE-RESISTANT CABLE

NORDEN silicone-insulated and mica tape with aluminum foil overall shielding fire-resistant cables are manufactured to meet the specific requirements of fire-resistant cable standards. These cables ensure reliable circuit integrity, keeping emergency evacuation systems operational even while the cable is exposed to fire.



CABLE CONSTRUCTION

Conductor

Stranded Annealed Bare Copper

Shielding

Mica Tape + AL Foil

Outer Sheath Color

Orange

Insulation

Silicone Rubber

Drain Wire

Tinned Copper

Outer Sheath

LSZH

Insulation Colour

1 Pair: White/Brown (white core without numbering)
2 Pair: White/Brown, White/Blue (white core with numbering)

Parameters	Standards
Flame Tests	IEC /EN 60332-1
Insulation Integrity	IEC 60331-21, BS 6387 (Category C – 3 Hours Fire Test @ 950°C)

ELECTRICAL & MECHANICAL CHARACTERISTICS

Parameters	Value			
	1.5mm ²		2.5 mm ²	
Cross Section (mm ²)	1.5mm ²		2.5 mm ²	
Conductor (Cu)	1Px27/0.25	1Px45/0.25	2PX27/0.25	2PX45/0.25
Conductor Resistance (max. Ω /km)	13.53	8.12	13.53	8.12
Silicone Rubber Thickness (mm)	0.45	0.58	0.45	0.58
Silicone Rubber Outer Dia (mm)	2.40	3.10	2.40	3.10
Drain Wire (mm)	7/0.32			
Minimum Insulation Resistance @ 0°C	200 MΩ x Km			
Operating Voltage °	300/500V			
Breakdown Test Voltage	2000V			
Temperature Range	-40°C to +90°C			

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PHYSICAL INFORMATION

Nom. Cond. Cross-Sect. (mm ²)	Conductor Size (no./mm)	Outer Sheath Thickness (mm)	Outer Cable Diameter (mm)
1 Pair x 1.5mm ²	27/0.25	0.6	6.6
1 Pair x 2.5mm ²	45/0.25	0.8	8.2
2 Pair x 1.5mm ²	27/0.25	0.8	10.4
2 Pair x 2.5mm ²	45/0.25	1.0	12.8

ORDERING INFORMATION

Part Number	Description
8N-1115012	1 Pair 1.5mm ² Silicone Insulated Shielded Fire-Resistant Cable
8N-1125012	1 Pair 2.5mm ² Silicone Insulated Shielded Fire-Resistant Cable
8N-1115022	2 Pair 1.5mm ² Silicone Insulated Shielded Fire-Resistant Cable
8N-1125022	2 Pair 2.5mm ² Silicone Insulated Shielded Fire-Resistant Cable