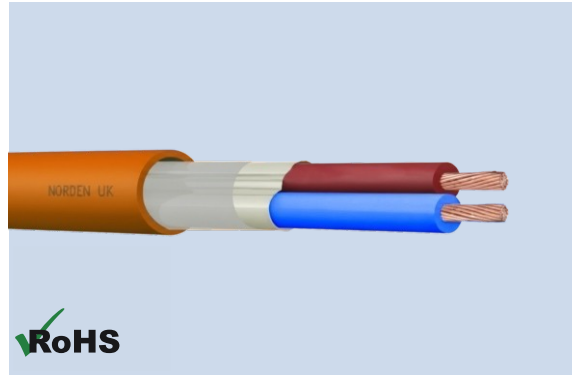


## SHIELDED FIRE-RESISTANT CABLE

The Norden Silicon Insulated Fire-Resistant Cable is engineered for maximum safety and reliability in critical environments. It features stranded bare copper conductors insulated with silicon, with an overall aluminum foil shield and an LSZH (Low Smoke Zero Halogen) jacket. Designed to resist fire, the cable maintains circuit integrity during emergencies. Ideal for power, control, and signal transmission, it combines durability, flexibility, and uncompromising safety standards.



### CABLE CONSTRUCTION

<b>Conductor</b> Stranded Bare Copper	<b>Insulation Colour</b> Blue/ Brown	<b>Drain Wire</b> 7/0.2TC
<b>Insulation</b> Silicon Rubber	<b>Shielding</b> PET+Al foil	<b>Outer Sheath</b> LSZH

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

Properties	Value		
Cross Section(mm <sup>2</sup> )	1.0	1.5	2.5
Conductor(mm)	32/0.20	32/0.24	50/0.24
Max.Conductor Resistance @ 20C(Ω)	17.84	12.39	7.93
Operating Voltage(V)	300/500V		
Breakdown Test Voltage(V)	2000V		
Min.Insulation Resistance(Ω.km)	200MΩ.km		
Temperature Range(°C)	-40°C to +90°C		

### PHYSICAL INFORMATION

Nom. Cond. Cross-Sect. mm <sup>2</sup>	Insulation Thickness(mm)	Insulation Dia(mm)	Outer Jacket Thickness(mm)	Weight Kg/km
2 x 1.0	0.62	2.3	0.8	6.4
2 x 1.5	0.56	2.70	0.8	7.20
2 x 2.5	0.71	3.20	1.0	8.6

### ORDERING INFORMATION

Part Number	Description
6N-1110022	2 Core 1.0mm <sup>2</sup> Silicone Insulated Shielded Fire Resistant Cable
6N-1115022	2 Core 1.5mm <sup>2</sup> Silicone Insulated Shielded Fire Resistant Cable
6N-1125022	2 Core 2.5mm <sup>2</sup> Silicone Insulated Shielded Fire Resistant Cable