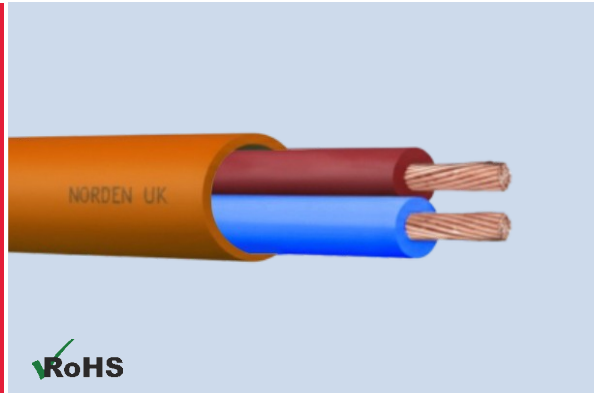


SILICON INSULATED UNSHIELDED FIRE -RESISTANT CABLE

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 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

Conductor

Stranded Bare Copper

Insulation Color Code

Blue/Brown

Insulation

Silicon Rubber

Outer Sheath

LSZH

| Parameters | Standards |
|----------------------|--|
| Flame Tests | IEC 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 ²) | 2.5 |
| Conductor (mm) | 50/0.24 |
| Max.Conductor Resistance @ 20C(Ω) | 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 |

SILICON INSULATED UNSHIELDED FIRE -RESISTANT CABLE

PHYSICAL INFORMATION

| Nom. Cond. Cross-Sect. mm ² | Insulation Thickness(mm) | Insulation Dia (mm) | Outer Jacket Thickness(mm) | Outer Jacket Dia(mm) |
|---|-----------------------------|------------------------|-------------------------------|-------------------------|
| 2 x 2.5 | 0.62 | 3.20 | 0.95 | 9.0 |

ORDERING INFORMATION

| Part Number | Description |
|-------------|--|
| 6N-0125032 | 3 Core 2.5mm ² Silicone Insulated Unshielded Fire Resistant Cable |