

2 CORE 12 AWG SHIELDED POWER LIMITED FIRE PROTECTIVE SIGNAL CABLE



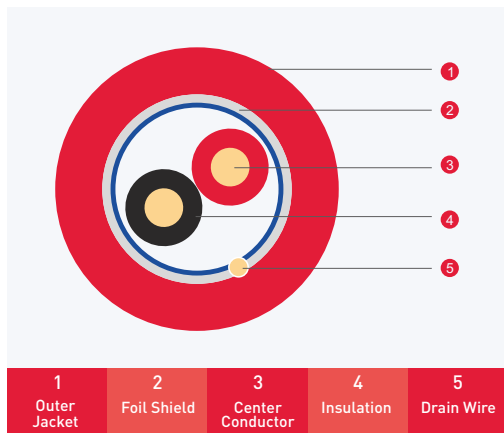
The shielded power limited fire protective signal cable from NORDEN is suitable to use for installation in signaling & fire alarm system. This cable is constructed with PVC Insulation, 100 % Aluminium Foil – Polyester Tape Shield with PVC fire protective outer jacket.



CABLE CONSTRUCTION

| | | |
|---|--|---|
| Conductor Solid Bare Copper | Outer Jacket PVC (UL 1666 Riser) | Shielding Aluminium Foil - Polyester Tape |
| Insulation PVC | Jacket Colour Red | Foil Coverage 100% |
| Insulation Colour 2 Core: Red/Black | Standard Packing Mode 305 mtr / Plywood Reel | Drain Wire Tinned Copper |

SECTION VIEW



PHYSICAL CHARACTERISTICS

| Characteristic | Value |
|----------------------------------|------------------|
| No. of Conductor | 2 |
| Conductor Size | 12AWG 19x0.455mm |
| Insulation Diameter | 2.85 mm |
| Drain Wire Size | 0.25 x 10 |
| Jacket Thickness | 0.90 mm |
| Jacket Diameter | 6.70 mm |
| Max. Recommended Pulling Tension | 182 N |
| Min. Bending Radius Minor Axis | 66 mm |
| Operating Temperature | -20°C to +75°C |



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ELECTRICAL CHARACTERISTICS

| Characteristic | Value | Unit |
|-----------------------------------|---------|------|
| Nom. Conductor DCR | Ω/km | 13.5 |
| Dielectric Strength between Pairs | KV/5min | 1.5 |
| Max. Operating Voltage UL | V/min | 300 |

MECHANICAL CHARACTERISTICS

| Characteristic | Value |
|--------------------------------|---------------------|
| Test Material | PVC |
| Before Tensile Strength (Mpa) | ≥13.8 |
| Aging Elongation (%) | ≥100 |
| After Tensile Strength (Mpa) | ≥85 |
| Aging Elongation (% of unaged) | ≥50 |
| Cold Bend (-20±°C x 4 hrs) | No Crack |
| Standard & Environmental | UL Style 2464, FPLR |

ORDERING INFORMATION

| Part Number | Description |
|-------------|--|
| 75-1202121 | 2 CORE 12AWG Shielded Power Limited Fire Protective Signal Cable |