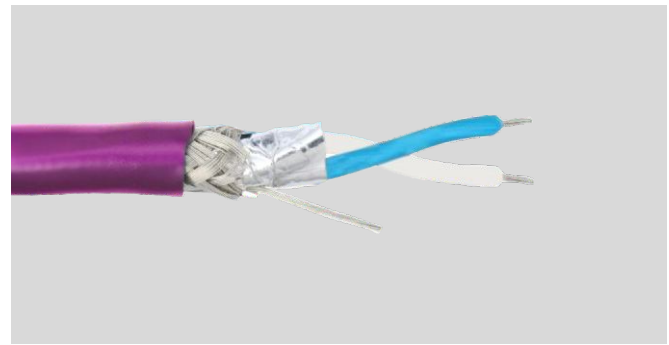


1 Pair 18 AWG Overall Screen HFFR Jacket RS 485 Cable



The Overall Screened paired cable from NORDEN is suitable to use as low capacitance RS-485 computer cable. The cable is constructed with foamed PE Insulation, 100% Aluminium Foil-Polyester Tape Overall Shielded with 65% Tinned Copper wire braid Coverage. This Cable is protected by HFFR outer jacket.



CABLE CONSTRUCTION

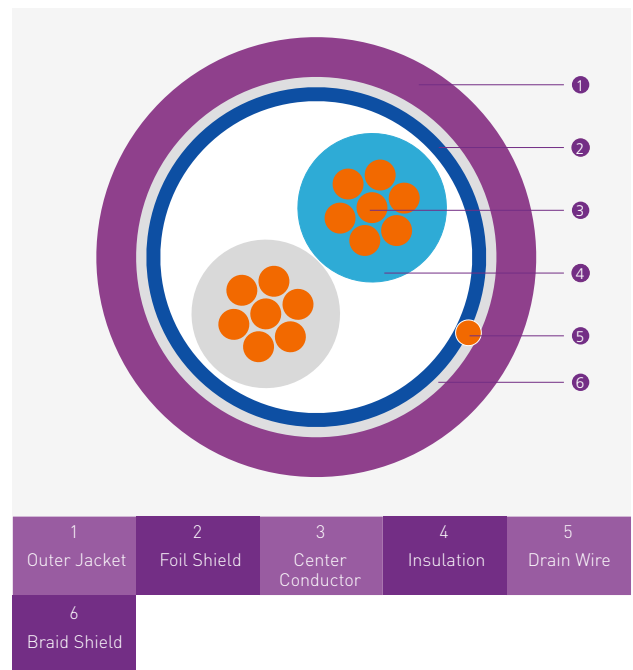
| | | | |
|--|---|--|-------------------------------|
| Conductor Stranded Tinned Copper | Shielding Aluminium Foil - Polyester Tape | Braid Shield 65% Tinned Copper | Outer Jacket HFFR |
| Insulation Foam Polyethylene | Foil Coverage 100% | Drain Wire Tinned Copper | Jacket Color Purple |

PHYSICAL CHARACTERISTICS

| Characteristic | Value |
|----------------------------------|-------------------|
| No. of Pair | 1 |
| Conductor Size | 18 AWG, 7 x 26 mm |
| Insulation Diameter | 3.2 mm |
| Insulation Thickness | 1.0 mm |
| Drain Wire Size | 7 x 0.2 mm |
| Jacket Thickness | 0.8 mm |
| Jacket Diameter | 9.0 mm |
| Max. Recommended Pulling Tension | 350 N |
| Min. Bending Radius Minor Axis | 90 mm |
| Operating Temperature | -20°C to +75°C |

ELECTRICAL CHARACTERISTICS

| Characteristic | Unit | Value |
|--|-------|-------|
| Nom. Characteristic Impedance | Ω | 120.0 |
| Nom. Capacitance Cond. to Cond. | pF/m | 32.0 |
| Max. Conductor DCR @ 25°C | Ω/km | 22.7 |
| Nom. Capacitance Cond. to Cond. & Shield | p/m | 70 |
| Max. Recommended Current @ 25°C | Amps | 5 |
| Max. Operating Voltage UL | V Rms | 300 |



1 Pair 18 AWG Overall Screen HFFR Jacket RS 485 Cable



MECHANICAL CHARACTERISTICS

| Characteristic | Value |
|-------------------------------|----------|
| Test Material | HFFR |
| Before Tensile Strength (Mpa) | ≥ 13.8 |
| Aging Elongation (%) | ≥ 100 |
| After Tensile Strength (Mpa) | ≥ 10.35 |
| Aging Elongation (%) | ≥ 75 |
| Cold Bend (-20±°C x 4 hrs) | No Crack |

INSULATION COLOUR CODE

| Individual Pair | Colour |
|-----------------|------------|
| Pair 1 | White/Blue |

ORDERING INFORMATION

| Product | Description | Net Weight (Kg/Km) |
|------------|---|--------------------|
| 78-3501189 | 1 Pair 18 AWG Overall Screen HFFR Jacket RS-485 Cable | 81.0 |