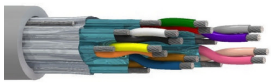
# Part Number: 9774MN

SpaceMaker™, (6 pr) 18 AWG (41x34) TC, PP/PVC, IS/OS Foil Shld



Request Sample

## Product Description

Six 18 AWG pair stranded (41x34) TC conductors, polypropylene insulation, individual and overall Beldfoil® shield (100% coverage), PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

**Conductor**

| AWG | Stranding | Material |
|---|---|---|
| 18 | 41x34 | TC - Tinned Copper |

| | |
|---|---|
| Total Number of Pairs: | 6 |
| Conductor Size: | 18 AWG |

**Insulation**

| Material | Nominal Wall Thickness |
|---|---|
| PP - Polypropylene | 0.010 in |

**Color Chart**

| Number | Color |
|---|---|
| 1 | Black & White |
| 2 | Red & Dark Green |
| 3 | Brown & Dark Blue |
| 4 | Orange & Yellow |
| 5 | Purple & Gray |
| 6 | Pink & Tan |

**Inner Shield Material**

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG |
|---|---|---|---|---|---|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil® | 100 % | TC- Tinned Copper | 20 |

**Outer Shield Material**

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG |
|---|---|---|---|---|---|
| Tape | Aluminum/Polyester | Beldfoil® | 100 % | TC - Tinned Copper | 18 |

**Outer Jacket Material**

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.439 in | 0.016 in |

### Electrical Characteristics

**Conductor DCR**

| Nominal Conductor DCR |
|---|
| 6.5 Ohm/1000ft |

**Capacitance**

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 43.4 pF/ft | 81.6 pF/ft |

| | |
|---|---|
| Shielding: | Individually Foiled + Overall Foil |

**Inductance**

| Nominal Inductance |
|---|
| 0.022 µH/ft |

**Impedance**

| Nominal Characteristic Impedance |
|---|
| 39 Ohm |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V |

## Temperature Range

| | |
|---|---|
| UL Temp Rating: | 80°C |
| Operating Temp Range: | -20°C To +80°C |

## Mechanical Characteristics

| | |
|---|---|
| Bulk Cable Weight: | 129 lbs/1000ft |
| Max Recommended Pulling Tension: | 354 lbs |
| Min Bend Radius During Installation: | 1.760 in |
| Min Bend Radius (Continuous Flexing): | 4.390 in |

## Standards

| | |
|---|---|
| UL AWM Style: | AWM 2937 (300 V 80°C), NFPA 79 |

## Applicable Environmental and Other Programs

| | |
|---|---|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |

## Flammability, LS0H, Toxicity Testing

| | |
|---|---|
| C(UL) Flammability: | FT2 |
| UL voltage rating: | 300 V RMS |

## Plenum/Non-Plenum

| | |
|---|---|
| Plenum (Y/N): | No |

## Part Number

**Variants**

| Item # | Color |
|---|---|
| 9774MN 006100 | Blue, Light |
| 9774MN 0061000 | Blue, Light |
| 9774MN 008100 | Gray |
| 9774MN 0081000 | Gray |
| 9774MN 004100 | Yellow |
| 9774MN 0041000 | Yellow |

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