



Product: [8770MN](#)



SpaceMaker™, 3 C #18 Str TC, PO Ins, OS, PVC Jkt, AWM 2937

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Product Description

SpaceMaker™, 3 Conductor 18AWG (41x34) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, AWM 2937

Technical Specifications

Construction Details

Conductor

| Element | AWG | Stranding | Material | No. of Conductors |
|--------------|-----|-----------|--------------------|-------------------|
| Conductor(s) | 18 | 41x34 | TC - Tinned Copper | 3 |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------|--------------------|--------------------------|-------------------|
| Conductor(s) | PP - Polypropylene | 0.010 in (0.25 mm) | 0.067 in (1.7 mm) | Black, White, Red |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|-------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 20 AWG (19x32) TC |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|---------------|
| PVC - Polyvinyl Chloride | 0.016 in (0.41 mm) | 0.181 in |

Overall Cable Diameter (Nominal): 0.181 in

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedence | Max. Current |
|--------------------|-------------------------------|---------------------------------|-------------------------------|------------------------------|
| 7.06 Ohm/1000ft | 43.4 pF/ft (142 pF/m) | 14.8 pF/ft (48.6 pF/m) | 39 Ohm | 5 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 80°C | -20°C To +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|--------------------|-------------------|
| 0.724 in (18.4 mm) | 0.724 in |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 76.5 lbs (34.7 kg) |
| Bulk Cable Weight: | 27 lbs/1000ft |

Standards and Compliance

| | |
|--------------------------------|---|
| Environmental Suitability: | Indoor |
| AWM Compliance: | AWM 2937 |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.217 Revision Date: 05-05-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|----------------|-------------|------------|----------|--------------|
| 8770MN 006100 | Blue, Light | Reel | 100 ft | 612825386230 |
| 8770MN 0061000 | Blue, Light | Reel | 1,000 ft | 612825386261 |
| 8770MN 008100 | Gray | Reel | 100 ft | 612825386247 |
| 8770MN 0081000 | Gray | Reel | 1,000 ft | 612825386278 |
| 8770MN 004100 | Yellow | Reel | 100 ft | 612825386223 |
| 8770MN 0041000 | Yellow | Reel | 1,000 ft | 612825386254 |

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