



Product: [8870MN](#)



SpaceMaker™, 5 C #18 Str TC, PO Ins, OS, PVC Jkt, AWM 2937

[Request Sample](#)

Product Description

SpaceMaker™, 5 Conductor 18AWG (41x34) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, AWM 2937

Technical Specifications

Construction Details

Conductor

| Element      | No. of Elements | Size   | Stranding | Material           |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 5               | 18 AWG | 41x34     | TC - Tinned Copper |

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, Dark Green, Brown |

Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type     |
|-------------|-------------------------|----------|--------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 18 AWG (19x30H) TC |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter |
|--------------------------|--------------------|---------------|
| PVC - Polyvinyl Chloride | 0.016 in (0.41 mm) | 0.217 in      |

|                                   |           |
|-----------------------------------|-----------|
| Overall Cable Diameter (Nominal): | 0.217 in. |
|-----------------------------------|-----------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current                 |
|--------------------|------------------------------|
| 7.06 Ohm/1000ft    | 4 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature |
|----------------|
| 80°C           |

Bend Radius

| Stationary Min.    | Installation Min. |
|--------------------|-------------------|
| 0.868 in (22.0 mm) | 0.868 in          |

|                    |                      |
|--------------------|----------------------|
| Max. Pull Tension: | 127.2 lbs (57.70 kg) |
| Bulk Cable Weight: | 42 lbs/1000ft        |

Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Flammability / Reaction to Fire: | FT2   |
| 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) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)   |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.194 Revision Date: 05-05-2023 |
|----------------------|--|

Part Numbers

Variants

| Item #         | Color       | Putup Type | Length   | UPC          |
|----------------|-------------|------------|----------|--------------|
| 8870MN 006100  | Blue, Light | Reel       | 100 ft   | 612825390879 |
| 8870MN 0061000 | Blue, Light | Reel       | 1,000 ft | 612825390848 |
| 8870MN 008100  | Gray        | Reel       | 100 ft   | 612825390886 |
| 8870MN 0081000 | Gray        | Reel       | 1,000 ft | 612825390855 |
| 8870MN 004100  | Yellow      | Reel       | 100 ft   | 612825390862 |
| 8870MN 0041000 | Yellow      | Reel       | 1,000 ft | 612825390831 |

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