



Product: [8771MN](#)



SpaceMaker™, 3 C #22 Str TC, PO Ins, OS, PVC Jkt, AWM 2937

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Product Description

SpaceMaker™, 3 Conductor 22AWG (19x34) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, AWM 2937

Technical Specifications

Construction Details

Conductor

| Element  | No. of Elements | Size   | Stranding | Material           |
|----------|-----------------|--------|-----------|--------------------|
| Triad(s) | 1               | 22 AWG | 19x34     | TC - Tinned Copper |

Insulation

| Element  | Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code           |
|----------|--------------------|--------------------|--------------------------|----------------------|
| Triad(s) | PP - Polypropylene | 0.010 in (0.25 mm) | 0.050 in (1.3 mm)        | Black, White and Red |

Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type    |
|-------------|-------------------------|----------|-------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (19x36) TC |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter |
|--------------------------|--------------------|---------------|
| PVC - Polyvinyl Chloride | 0.016 in (0.41 mm) | 0.144 in      |

|                                   |           |
|-----------------------------------|-----------|
| Overall Cable Diameter (Nominal): | 0.144 in. |
|-----------------------------------|-----------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Max. Current                   |
|--------------------|-------------------------------|-------------------------------------------------|-------------------------------|--------------------------------|
| 14.9 Ohm/1000ft    | 33.0 pF/ft (108 pF/m)         | 66.0 pF/ft (217 pF/m)                           | 45 Ohm                        | 2.9 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature  | Operating      |
|-----------------|----------------|
| 80°C (AWM 2937) | -20°C To +80°C |

Bend Radius

| Stationary Min.    | Installation Min. | Flexing Min.        |
|--------------------|-------------------|---------------------|
| 0.576 in (14.6 mm) | 0.576 in          | 1.440 in (36.58 mm) |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 33 lbs (15 kg) |
| Bulk Cable Weight: | 14 lbs/1000ft  |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                                                                    |
| 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) |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.277 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color       | UPC          |
|----------------|-------------|--------------|
| 8771MN 006100  | Blue, Light | 612825386407 |
| 8771MN 0061000 | Blue, Light | 612825386414 |
| 8771MN 008100  | Gray        | 612825386421 |
| 8771MN 0081000 | Gray        | 612825386438 |
| 8771MN 004100  | Yellow      | 612825386384 |
| 8771MN 0041000 | Yellow      | 612825386391 |

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