


**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  | Number of Element | 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 Impedance | 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   |
| NEC / UL Compliance:             | UL 758, UL 1581   |
| 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) |
| Other Standard Compliance(s):    | NFPA 79   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.270 Revision Date: 04-08-2022 |
|----------------------|--|

## 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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