

Product: [8877MN](#) 

SpaceMaker™, 7 C #20 Str TC, PO Ins, OS, PVC Jkt, AWM 2937



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Product Description

SpaceMaker™, 7 Conductor 20AWG (26x34) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, AWM 2937

Technical Specifications

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|--------------|-------------------|--------|-----------|--------------------|
| Conductor(s) | 7 | 20 AWG | 26x34 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------|-------------------|--------------------------|-----------------------------------------------|
| Conductor(s) | PP - Polypropylene | 0.01 in (0.25 mm) | 0.057 in (1.4 mm) | Black, White, Red, Green, Brown, Blue, Orange |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 20 AWG (7x28) TC |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|---------------|
| PVC - Polyvinyl Chloride | 0.016 in (0.41 mm) | 0.207 in |

Overall Cable Diameter (Nominal): 0.207 in

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedence | Max. Current |
|--------------------|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
| 11.2 Ohm/1000ft | 15.7 pF/ft (51.5 pF/m) | 61.3 pF/ft (201 pF/m) | 47 Ohm | 2.66 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. |
|--------------------|-------------------|
| 0.830 in (21.1 mm) | 0.830 in |

Max. Pull Tension: 103.6 lbs (46.99 kg)

Bulk Cable Weight: 37 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) |
| Other Standard Compliance(s): | NFPA 79 |

History

| | |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.209 Revision Date: 04-08-2022 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|----------------|-------------|------------|----------|--------------|
| 8877MN 006100 | Blue, Light | Reel | 100 ft | 612825392460 |
| 8877MN 0061000 | Blue, Light | Reel | 1,000 ft | 612825392477 |
| 8877MN 008100 | Gray | Reel | 100 ft | 612825392484 |
| 8877MN 0081000 | Gray | Reel | 1,000 ft | 612825392491 |
| 8877MN 004100 | Yellow | Reel | 100 ft | 612825392446 |
| 8877MN 0041000 | Yellow | Reel | 1,000 ft | 612825392453 |

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