

**Part Number: 8881MN**

SpaceMaker™, (15) 20 AWG (26x34) TC, PP/PVC, Foil Shld



## Product Description

Fifteen 20 AWG stranded (26x34) tinned copper conductors, conductors cabled, polypropylene insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 20  | 26x34     | TC - Tinned Copper | 15                |

|                  |        |
|------------------|--------|
| Conductor Count: | 15     |
| Conductor Size:  | 20 AWG |

#### Insulation

| Material           | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.01 in                |

#### Color Chart

| Color      |
|------------|
| Black      |
| White      |
| Red        |
| Dark Green |
| Brown      |
| Dark Blue  |
| Orange     |
| Yellow     |
| Purple     |
| Gray       |
| Pink       |
| Tan        |

#### Outer Shield Material

| Type | Material                     | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG |
|------|------------------------------|---------------------|--------------|--------------------|---------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil®           | 100 %        | TC - Tinned Copper | 20            |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.304 in         | 0.016 in               |
|                          | 0.304 in         |                        |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 10.4 Ohm/1000ft       |

#### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |
|---|--------------------------------------|
| 15.7 pF/ft                              | 61.3 pF/ft                           |

|            |                           |
|------------|---------------------------|
| Shielding: | Foil(s) or Copper Tape(s) |
|------------|---------------------------|

#### Inductance

| Nominal Inductance |
|--------------------|
| 0.026 $\mu$ H/ft   |

#### Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 47 Ohm                           |

#### Voltage

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

#### Temperature Range

|                       |                |
|-----------------------|----------------|
| UL Temp Rating:       | 80°C           |
| Operating Temp Range: | -20°C To +80°C |

#### Mechanical Characteristics

|                                       |                |
|---------------------------------------|----------------|
| Bulk Cable Weight:                    | 109 lbs/1000ft |
| Max Recommended Pulling Tension:      | 122 lbs        |
| Min Bend Radius During Installation:  | 1.22 in        |
| Min Bend Radius (Continuous Flexing): | 3.04 in        |

#### Standards

|                         |                               |
|-------------------------|-------------------------------|
| NEC/(UL) Specification: | 800                           |
| UL AWM Style:           | UL Style AWM 2937 (300 V 80C) |
| Other Specification:    | NFPA 79                       |

#### Applicable Environmental and Other Programs

|                                       |            |
|---------------------------------------|------------|
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2003/96/EC (BFR):        | Yes        |
| EU Directive 2011/65/EU (ROHS II):    | Yes        |
| EU Directive 2012/19/EU (WEEE):       | Yes        |
| EU Directive 2015/863/EU:             | Yes        |
| EU Directive Compliance:              | Yes        |
| EU CE Mark:                           | Yes        |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |

#### Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

#### Flammability, LS0H, Toxicity Testing

|                    |           |
|--------------------|-----------|
| CSA Flammability:  | FT2       |
| UL voltage rating: | 300 V RMS |

#### Plenum/Non-Plenum

|               |   |
|---------------|---|
| Plenum (Y/N): | Y |
|---------------|---|

#### Part Number

#### Variants

| Item #         | Color       |
|----------------|-------------|
| 8881MN 006100  | Blue, Light |
| 8881MN 0061000 | Blue, Light |
| 8881MN 008100  | Gray        |
| 8881MN 0081000 | Gray        |
| 8881MN 004100  | Yellow      |

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