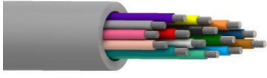**Part Number:** 8468MN

SpaceMaker™, (15) 18 AWG (41x34) TC, PP/PVC

⚏ Request Sample

## Product Description

Fifteen 18 AWG pair stranded (41x34) tinned copper conductors, polypropylene insulation, PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

**Conductor**

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|----------|-------------------|
| 18 | 41x34 | TC - Tinned Copper | 15 |

| | |
|---|---|
| Conductor Count: | 15 |
| Conductor Size: | 18 AWG |

**Insulation**

| Material | Nominal Wall Thickness |
|----------|------------------------|
| PP - Polypropylene | 0.010 in |

**Color Chart**

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | White |
| 3 | Red |
| 4 | Dark Green |
| 5 | Brown |
| 6 | Dark Blue |
| 7 | Orange |
| 8 | Yellow |
| 9 | Purple |
| 10 | Gray |
| 11 | Pink |
| 12 | Tan |
| 13 | Aqua |
| 14 | Light Green |
| 15 | Light Blue |

**Outer Shield Material**

| Material |
|----------|
| Unshielded |

**Outer Jacket Material**

| Material | Nominal Diameter | Nominal Wall Thickness |
|----------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.347 in | 0.016 in |

### Electrical Characteristics

**Conductor DCR**

| Nominal Conductor DCR |
|-----------------------|
| 6.5 Ohm/1000ft |

**Capacitance**

| Nom. Capacitance Conductor to Conductor |
| --- |
| 14.8 pF/ft |

| Shielding: | Unshielded |
| --- | --- |

**Inductance**

| Nominal Inductance |
| --- |
| 0.022 µH/ft |

**Impedance**

| Nominal Characteristic Impedance |
| --- |
| 39 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: | 101 lbs/1000ft |
| --- | --- |
| Max Recommended Pulling Tension: | 375 lbs |
| Min Bend Radius During Installation: | 1.390 in |
| Min Bend Radius (Continuous Flexing): | 3.470 in |

## Standards

| UL AWM Style: | AWM 2937 (300 V 80°C), 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: | EU Directive 2003/11/EC (BFR) |
| 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): | No |
| --- | --- |

## Part Number

**Variants**

| Item # | Color |
| --- | --- |
| 8468MN 006100 | Blue, Light |
| 8468MN 0061000 | Blue, Light |
| 8468MN 008100 | Gray |
| 8468MN 0081000 | Gray |
| 8468MN 004100 | Yellow |

| 8468MN 0041000 | Yellow |