

**Part Number: 8770MN**

SpaceMaker™, (3) 18 AWG (41x34) TC, PP/PVC, Foil Shld



[Request Sample](#)

## Product Description

Three 18 AWG stranded (41x34) 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
18	41x34	TC - Tinned Copper	3

Conductor Count:	3
Conductor Size:	18 AWG

#### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.010 in

#### Color Chart

Color
Black
White
Red

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.181 in	0.016 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
43.4 pF/ft	14.8 pF/ft

Shielding:	Foil(s) or Copper Tape(s)
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#### 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:	36 lbs/1000ft
Max Recommended Pulling Tension:	39 lbs
Min Bend Radius/Minor Axis:	1.8 in

## Standards

NEC Articles:	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
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## Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	Y
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## Part Number

### Variants

Item #	Color
8770MN 006100	Blue, Light
8770MN 0061000	Blue, Light
8770MN 008100	Gray
8770MN 0081000	Gray
8770MN 004100	Yellow
8770MN 0041000	Yellow

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