

Part Number: 8770MN

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



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 Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	20

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.181 in	0.016 in
	0.181 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 (300V 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, LS0H, Toxicity Testing

CSA Flammability:	FT2
UL Voltage Rating:	300V 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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