



Product: [8646MN](#)

SpaceMaker™, 7 C #24 Str TC, PO Ins, OS, PVC Jkt, AWM 2937

Product Description

SpaceMaker™, 7 Conductor 24AWG (10x34) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, AWM 2937

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
24	10x34	TC - Tinned Copper	7

Conductor Count: 7

Insulation

Material	Nominal Diameter
PP - Polypropylene	0.043 in

Color Chart

Number	Color
1	Black
2	White
3	Red
4	Dark Green
5	Brown
6	Dark Blue
7	Orange

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.165 in	0.016 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
27.7 Ohm/1000ft	14.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
19 pF/ft

Voltage

UL Voltage Rating

300 V

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	18 lbs/1000ft
Max. Pull Tension:	41 lbs
Min. Bend Radius/Minor Axis:	1.7 in

Standards

NEC Articles:	Article 800
UL AWM Style Compliance:	AWM 2937

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU CE Mark:	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT2
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
8646MN 006100	Blue, Light	Reel	100 ft	612825426516
8646MN 0061000	Blue, Light	Reel	1,000 ft	612825426523
8646MN 008100	Gray	Reel	100 ft	612825426530
8646MN 0081000	Gray	Reel	1,000 ft	612825426547
8646MN 004100	Yellow	Reel	100 ft	612825426493
8646MN 0041000	Yellow	Reel	1,000 ft	612825426509

History

Update and Revision:	Revision Number: 0.41 Revision Date: 04-03-2025
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