



**Product:** [8638MN](#)

SpaceMaker™, 12 C #24 Str TC, PO Ins, PVC Jkt, AWM 2937

## Product Description

SpaceMaker™, 12 Conductor 24AWG (10x34) Tinned Copper, PO Insulation, PVC Outer Jacket, AWM 2937

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
24	10x34	TC - Tinned Copper	12

Conductor Count:	12
------------------	----

#### 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
8	Yellow
9	Purple
10	Gray
11	Pink
12	Tan

#### Outer Shield Material

Type
No Shield

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.210 in	0.016 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
27.7 Ohm/1000ft

#### Capacitance

**Nom. Capacitance Conductor to Conductor**

14 pF/ft

**Voltage****UL Voltage Rating**

300 V

**Temperature Range**

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

**Mechanical Characteristics**

Bulk Cable Weight:	26 lbs/1000ft
Max. Pull Tension:	60 lbs
Min Bend Radius/Minor Axis:	2.1 in

**Standards**

NEC Articles:	Article 800
UL AWM Style Compliance:	AWM 2937
Other Compliance:	NFPA 79

**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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01

**Suitability**

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

**Flammability, LSOH, Toxicity Testing**

CSA Flammability:	FT2
-------------------	-----

**Part Number****Variants**

Item #	Color	Putup Type	Length	UPC
8638MN 006100	Blue, Light	Reel	100 ft	612825424383
8638MN 0061000	Blue, Light	Reel	1,000 ft	612825424390
8638MN 008100	Gray	Reel	100 ft	612825424406
8638MN 0081000	Gray	Reel	1,000 ft	612825424413
8638MN 004100	Yellow	Reel	100 ft	612825424369
8638MN 0041000	Yellow	Reel	1,000 ft	612825424376

**History**

Update and Revision:	Revision Number: 0.30 Revision Date: 02-16-2021
----------------------	---

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.