

# Product: <u>8873MN</u> ☑



😭 Request Sample

## **Product Description**

SpaceMaker™, 12 Conductor 18AWG (41x34) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, AWM 2937

## **Technical Specifications**

#### Construction Details

Element         No. of Elements         Size         Stranding         Material           Conductor(s)         12         18 AWG         41x34         TC - Tinned Copper           Insulation         Element         Material         Nom. Thickness         Nom. Insulation Diameter         Color Code           Conductor(s)         PP - Polypropylene         0.01 in (0.25 mm)         0.067 in (1.7 mm)         Black, While, Red, Green, Brown, Blue, Orange, Yellow, Puriple, Gray, Pink, Tar           Conductor(s)         PP - Polypropylene         0.01 in (0.25 mm)         0.067 in (1.7 mm)         Black, While, Red, Green, Brown, Blue, Orange, Yellow, Puriple, Gray, Pink, Tar           Conductor(s)         PP - Polypropylene         Out in (0.25 mm)         0.067 in (1.7 mm)         Black, While, Red, Green, Brown, Blue, Orange, Yellow, Puriple, Gray, Pink, Tar           Conductor State         Material         Coverage         Drainwire Type         Drainwire Type           State/Id1 Type         Material         Nom. Diameter         Pyce         Pyce           PVC - Polybropyl Chloride         0.016 in (0.41 mm)         0.314 in         Overall Cable Diameter (Nominal):         0.314 in           Electrical Characteristics         State S		on Dotailo							
Conductor(i)         12         18 AWG         41x3-4         TC - Tinned Copper           Insulation         Insulation         Color Code         Color Code           Edemant         Material         Nom. Thickness         Nom. Insulation Diameter         Color Code           State         Dot (0.25 mm)         0.067 in (1.7 mm)         Black. While, Red, Green, Brown, Blue, Orange, Vellow, Purple, Gray, Pink, Tar           Conductor(s)         PP - Pelypropylene         0.01 in (0.25 mm)         0.067 in (1.7 mm)         Black. While, Red, Green, Brown, Blue, Orange, Vellow, Purple, Gray, Pink, Tar           Conductor Sheld         Material         Coverage         Pranwire Type           Sheld Type         Material         Coverage         Pranwire Type           Cord         Nom.         Dameter         Overage         Max Current           Cord         Nom.         Conductor DCR         Nom.         Conductor Code         Max Current           Sob Cord         So Print (13 p Pr/m)         14.8 pFr/t (48.6 pF/m)	Conductor								
Insuitation IEchanet I Echanet I Ech	Element	No. of Elements	Size	Stranding	Material				
Element       Material       Nom. Thickness       Nom. Insulation Diameter       Color Code         Conductor(s)       PP - Polypropyteme       0.01 in (0.25 mm)       0.067 in (1.7 mm)       Black, White, Red, Green, Brown, Blue, Orange, Yellow, Puriple, Gray, Pink, Tan         Duter Shield       Shield Type       Material       Coverage       Drainwire Type         Tape       Bi-Laminate (Alum+Poly)       100%       18 AWG (19x30) TC         Duter Jackst       Nom. Thickness       Nom. Diameter         PVC - Polyvinyl Chioride       0.016 in (0.41 mm)       0.314 in         Coveral Cable Diameter (Nominal):       0.314 in         Electrical Characteristics       Nom. Capacitance Cond-to-Shield       Nom. Characteristic Impedence       Max. Current         7.06 Ohm/10001       39 pf/t (130 pF/m)       14.8 pF/t (48.6 pF/m)       39 Ohm       3.5 Amps per Conductor at 2         Voltage       UL Voltage Rating       200 °C       -20°C To -80°C	Conductor(s)	12	18 AWG	41x34	TC - Tinned Copper				
Conductor (i)         PP - Polyproprie         0.01 in (0.25 mm)         0.067 in (1.7 mm)         Black, White, Red, Green, Brown, Blue, Orange, Yellow, Puriple, Gray, Pink, Tan           Outer Shield         Shield Type         Material         Coverage         Drainwire Type         18 AWG (19x30) TC           Shield Type         Material         Coverage         Drainwire Type         18 AWG (19x30) TC           Outer Jackst         Mom. Thickness         Nom. Diameter         Nom. Capacitance         Nom. Capacitance           Overall Cable Diameter (Nominal):         0.314 in         Nom. Capacitance Cond-to-Shield         Nom. Characteristic Impedences         Masx. Current           Stochroling Cable Diameter (Nominal):         0.314 in         Nom. Capacitance Cond-to-Shield         Nom. Characteristic Impedences         Masx. Current           Octor ODCR         Nom. Capacitance Cond-to-Cond         Nom. Capacitance Cond-to-Shield         Nom. Characteristic Impedences         Masx. Current           Ordge         Status         Status         Status         Status         Status         Status         Status           Outer Shield         Nom. Capacitance Cond-to-Shield         Nom. Characteristic Impedences         Masx. Current         Status         Status         Status         Masx. Current           Otoge Tau         Status         Status	Insulation								
Duter Shield         Shield Type       Material       Coverage       Drahmvire Type         Tape       Bi-Laminate (Alum+Poly)       100%       18 AWG (19x30) TC         Duter Jacket       Material       Nom. Thickness       Nom. Diameter         PVC - Polyingt Chloride       0.016 in (0.41 mm)       0.314 in         Coverall Cable Diameter (Nominal):       0.314 in         Electrical Characteristics       Stational prime       Max. Current         Stationary Min       39 pF/ft (130 pF/m)       14.8 pF/ft (48.6 pF/m)       39 Ohm       35.5 Amps per Conductor at 28         Voltage       UL Voltage Rating       300 V       39 Ohm       3.5 Amps per Conductor at 28         Voltage       UL Voltage Rating       300 V       39 Ohm       3.5 Amps per Conductor at 28         Voltage       Voltage       Voltage       Voltage       Voltage       Voltage         Borc       20°C To +80°C       Voltage       Voltage       Voltage       Voltage         Stationary Min       Installation Min       12.56 in       12.56 in       Voltage       Voltage         Buk Cable Weight:       87 bir/H000tt       87 bir/H000tt       87 bir/H000tt       Voltage       Voltage       Voltage         Nom. Capacitance Cond-10.52 hor	Element	Material	Nom.	Thickness	Nom. Insulation Diamet	er	Colo	or Code	
Shield Type       Material       Coverage       Drainwire Type         Tape       Bi-Laminate (Alum+Poly)       100%       18 AWIG (19x30) TC         During an analysis of the second	Conductor(s)	PP - Polypropyler	ne 0.01 ir	n (0.25 mm)	0.067 in (1.7 mm)	Black, White, F	Red, Green, Brown, Blue	e, Orange, Yell	low, Purlple, Gray, Pink, Tan
Tape         BI-Laminate (Alum+Poty)         100%         18 AWG (19x30) TC           Outer Jacket         Mom. Thickmess         Nom. Diameter           PVC - Polyvinyl Chloride         0.016 in (0.41 mm)         0.314 in           Ooverall Cable Diameter (Nominal):         0.314 in         Outer Jacket           Electrical Characteristics         Mom. Conductor DCR         Nom. Capacitance Cond-to-Cond         Nom. Capacitance Cond-to-Shield         Nom. Characteristic Impedence         Max. Current           7.06 Ohm/10001         39 pF/ft (130 pF/m)         14.8 pF/ft (48.6 pF/m)         39 Ohm         3.5 Amps per Conductor at 25           Voltage But Collage Rating 300 V         Visit (130 pF/m)         14.8 pF/ft (48.6 pF/m)         39 Ohm         3.5 Amps per Conductor at 25           Voltage But Collage Calling 30.0 V         Visit (130 pF/m)         14.8 pF/ft (48.6 pF/m)         39 Ohm         3.5 Amps per Conductor at 25           Voltage But Collage Calling 30.0 V         Visit (130 pF/m)         14.8 pF/ft (48.6 pF/m)         39 Ohm         3.5 Amps per Conductor at 25           Voltage But Collage Calling 30.0 V         Visit (130 pF/m)         Installation Min.         Visit (130 pF/m)	Outer Shield								
Duter Jacket       Nom. Thickness       Nom. Diameter         PVC - Polyvinyl Chioride       0.018 in (0.41 mm)       0.314 in         Overall Cable Diameter (Nominal):       0.314 in         Electrical Characteristics         Electricals         Nom. Conductor DCR       Nom. Capacitance Cond-to-Cond       Nom. Capacitance Cond-to-Shield       Nom. Characteristic Impedence       Max. Current         7.06 Ohn/1000t       39 pf/ft (130 pF/m)       14.8 pF/ft (48.6 pF/m)       39 Ohm       3.5 Amps per Conductor at 25         Voltage Rating         300 V	Shield Type	Material	(	Coverage	Drainwire Type				
Material       Nom. Thickness       Nom. Diameter         PVC - Polyvinyl Chloride       0.016 in (0.41 mm)       0.314 in         Overall Cable Diameter (Nominal):       0.314 in         Electrical Characteristics         Stationary Min       Nom. Capacitance Cond-to-Cond       Nom. Capacitance Cond-to-Shield       Nom. Characteristic inpedence)       Max. Current         Average       39 pF/ft (130 pF/m)       14.8 pF/ft (48.6 pF/m)       39 Ohm       3.5 Amps per Conductor at 25         Voltage       UL Voltage Rating       300 V       3.5 Amps per Conductor at 25         Vechanical Characteristics       Vechanical Characteristics       Vechanical Characteristics         Stationary Min       Installator Min.       1256 in (31.90 mm)       1256 in (31.90 mm)       1256 in (31.90 mm)         Max. Pull Tension:       270.7 lbs (122.8 kg)       Vechanical Characteristics       Vechanical Characteristics	Tape	Bi-Laminate (Alum	n+Poly) 1	100% 1	8 AWG (19x30) TC				
PVC - Polyvinyl Chloride       0.016 in (0.41 mm)       0.314 in         Overall Cable Diameter (Nominal):       0.314 in         Electrical Characteristics         Stationary Min       Nom. Capacitance Cond-to-Cond       Nom. Capacitance Cond-to-Shield       Nom. Characteristic Impedance)       Max. Current         Ale print (130 pF/m)       14.8 pF/ft (48.6 pF/m)       39 Ohm       3.5 Amps per Conductor at 25         Voltage       14.8 pF/ft (48.6 pF/m)       39 Ohm       3.5 Amps per Conductor at 25         Voltage Rating       300 V       300 V       3.5 Amps per Conductor at 25         Vechanical Characteristics       Voltage Rating       300 V       3.5 Amps per Conductor at 25         Stationary Min       Installation Min.       Installation Min.       Installation Min.       Installation Min.         1256 in (31.90 mm)       1.256 in (31.90 mm)       270.7 lbs (122.8 kg)       Voltage	Outer Jacket								
Overall Cable Diameter (Nominal): 0.314 in         Electrical Characteristics         Electricals         Nom. Conductor DCR       Nom. Capacitance Cond-to-Cond       Nom. Capacitance Cond-to-Shield       Nom. Characteristic Impedence       Max. Current         30 O for 10000t       39 pF/ft (130 pF/m)       14.8 pF/ft (48.6 pF/m)       39 Ohm       3.5 Amps per Conductor at 25         Voltage Rating 300 V         Stationary Min.:         Installation Min.         1256 in (31.90 mm)       1256 in         Arrow 270.7 lbs (122.8 kg)         Bulk Cable Weight:         87 (0.7 lbs (122.8 kg)         Bulk Cable Weight:	Mater	rial Nom.	. Thicknes	ss Nom. D	iameter				
Electrical Characteristics  Electricals  Nom. Conductor DCR Nom. Capacitance Cond-to-Cond Nom. Capacitance Cond-to-Shield Nom. Characteristic Impedence Max. Current 39 pF/ft (130 pF/m) 14.8 pF/ft (48.6 pF/m) 39 Ohm 3.5 Amps per Conductor at 25  Aotage UL Votage Rating 300 V  Mechanical Characteristics  Femperature UL Temperature Operating 80°C 20°C To +80°C  Band Radlus  Stationary Min. Installation Min. 1.256 in  Max. Pull Tension: 270.7 ibs (122.8 kg) Bulk Cable Weight: 87 lbs/1000ft	PVC - Polyvin	yl Chloride 0.016	in (0.41 m	ım) 0.314 in					
Electricals          Nom. Conductor DCR       Nom. Capacitance Cond-to-Cond       Nom. Capacitance Cond-to-Shield       Nom. Characteristic Impedence       Max. Current         7.06 Ohm/1000ft       39 pF/ft (130 pF/m)       14.8 pF/ft (48.6 pF/m)       39 Ohm       3.5 Amps per Conductor at 25         /oltage         UL Voltage Rating         300 V       ///////////////////////////////////	Overall Cable	Diameter (Nomina	I): 0.314	in					
Electricals          Nom. Conductor DCR       Nom. Capacitance Cond-to-Cond       Nom. Capacitance Cond-to-Shield       Nom. Characteristic Impedence       Max. Current         7.06 Ohm/1000ft       39 pF/ft (130 pF/m)       14.8 pF/ft (48.6 pF/m)       39 Ohm       3.5 Amps per Conductor at 25         /oltage         UL Voltage Rating         300 V       ///////////////////////////////////	Electrical	Charactoristic							
Nom. Conductor DCR       Nom. Capacitance Cond-to-Cond       Nom. Capacitance Cond-to-Shield       Nom. Characteristic Impedence       Max. Current         7.06 Ohm/1000ft       39 pF/ft (130 pF/m)       14.8 pF/ft (48.6 pF/m)       39 Ohm       3.5 Amps per Conductor at 25         Interview Cond-to-Shield       Nom. Characteristic Impedence       Max. Current         Voltage Rating 300 V       V       39 Ohm       3.5 Amps per Conductor at 25         Vechanical Characteristics         Vechanical Characteristics         Stationary Min. 1256 in (31.90 m)       Installation Min. 1.256 in (31.90 m)         1.256 in (31.90 m)       1.256 in       270.7 lbs (122.8 kg)       Vechanical Characteristics         Max. Pull Tension:       270.7 lbs (122.8 kg)       Vechanical Characteristics       Vechanical Characteristics									
7.06 Ohm/1000ft       39 pF/ft (130 pF/m)       14.8 pF/ft (48.6 pF/m)       39 Ohm       3.5 Amps per Conductor at 25         /ottage       UL Voltage Rating 300 V	Electricals								
Voltage Rating 300 V       Wechanical Characteristics       Imperature UL Temperature 0 Operating 80°C       -20°C To +80°C       Stationary Min.     Installation Min. 1.256 in 1.256 in 1.256 in       Max. Pull Tension:     270.7 lbs (122.8 kg)       Bulk Cable Weight:     87 lbs/1000ft							Nom. Characteristic I	Impedence	Max. Current
UL Voitage Rating   300 V     Mechanical Characteristics     Femperature   UL Temperature   Operating   80°C   -20°C To +80°C     Band Radius   Stationary Min.   Installation Min.   1.256 in (31.90 mm)	7.06 Ohm/100	00ft 39 pF/ft	t (130 pF/r	n)	14.8 pF/ft (48.6 pF	/m)	39 Ohm	3	3.5 Amps per Conductor at 2
300 V         Mechanical Characteristics         Femperature         UL Temperature       Operating         80°C       -20°C To +80°C         Send Radius         Stationary Min.         1.256 in (31.90 m)       1.256 in         1.256 in (31.90 m)       1.256 in         Max. Pull Tension:       270.7 lbs (122.8 kg)         Bulk Cable Weight:       87 lbs/1000ft	Voltage								
Mechanical Characteristics         Femperature       Operating         80°C       -20°C To +80°C         Send Radius         Stationary Min.       Installation Min.         1.256 in (31.90 mm)       1.256 in         Max. Pull Tension:       270.7 lbs (122.8 kg)         Bulk Cable Weight:       87 lbs/1000ft	UL Voltage R	tating							
Stationary Min.       Installation Min.         1.256 in (31.90 mm)       1.256 in         Max. Pull Tension:       270.7 lbs (122.8 kg)         Bulk Cable Weight:       87 lbs/1000ft	300 V								
UL Temperature         Operating           80°C         -20°C To +80°C           -20°C To +80°C         -20°C To +80°C           Bend Radius         Installation Min.           1.256 in (31.90 mm)         1.256 in           Max. Pull Tension:         270.7 lbs (122.8 kg)           Bulk Cable Weight:         87 lbs/1000ft	Mechanica	I Characteris	tics						
UL Temperature         Operating           80°C         -20°C To +80°C           -20°C To +80°C         -20°C To +80°C           Bend Radius         Installation Min.           1.256 in (31.90 m)         1.256 in           Max. Pull Tension:         270.7 lbs (122.8 kg)           Bulk Cable Weight:         87 lbs/1000ft									
B0°C     -20°C To +80°C       Bend Radius     Installation Min.       Stationary Min.     Installation Min.       1.256 in (31.90 mm)     1.256 in       Max. Pull Tension:     270.7 lbs (122.8 kg)       Bulk Cable Weight:     87 lbs/1000ft	Temperature								
Stationary Min. Installation Min.   1.256 in (31.90 mm) 1.256 in   Max. Pull Tension: 270.7 lbs (122.8 kg)   Bulk Cable Weight: 87 lbs/1000ft									
Stationary Min.     Installation Min.       1.256 in (31.90 mm)     1.256 in       Max. Pull Tension:     270.7 lbs (122.8 kg)       Bulk Cable Weight:     87 lbs/1000ft	00 0	-20 0 10 100							
1.256 in (31.90 mm)     1.256 in       Max. Pull Tension:     270.7 lbs (122.8 kg)       Bulk Cable Weight:     87 lbs/1000ft	Bend Radius								
Max. Pull Tension:     270.7 lbs (122.8 kg)       Bulk Cable Weight:     87 lbs/1000ft			on Min.						
Bulk Cable Weight: 87 lbs/1000ft	,	·							
	Max. Pull Ten	sion:	270.7	ibs (122.8 kg	3)				
Standards and Compliance	D. II. O. I	a taula ta	07."	40005					
	Bulk Cable W	eight:	87 lbs/	/1000ft					

Environmental Suitability:	Indoor
AWM Compliance:	AWM 2937
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
	h

#### History

Update and Revision:

Revision Number: 0.239 Revision Date: 05-05-2023

## **Part Numbers**

#### Variants

item #	Color	Putup Type	Length	UPC
8873MN 006100	Blue, Light	Reel	100 ft	612825391784
8873MN 0061000	Blue, Light	Reel	1,000 ft	612825444657
8873MN 008100	Gray	Reel	100 ft	612825391791
8873MN 0081000	Gray	Reel	1,000 ft	612825391821
8873MN 004100	Yellow	Reel	100 ft	612825391777
8873MN 0041000	Yellow	Reel	1,000 ft	612825391807

© 2024 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.