

## 8881MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### General Description:

20 AWG stranded (26x34) tinned copper conductors, conductors cabled, overall Beldfoil® shield (100% coverage), 20 AWG stranded tinned copper drain wire, Polypropylene insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
15	20	26x34	TC - Tinned Copper

Total Number of Conductors: 15

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.254

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	19x32	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.406

#### Overall Cable

Overall Cabling Color Code 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
13	Aqua
14	Light Green
15	Light Blue

Overall Nominal Diameter: 7.722 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

Bulk Cable Weight: 162.214 Kg/Km

Max. Recommended Pulling Tension: 542.680 N

Min. Bend/Installation: 30.988 mm

## METRIC MEASUREMENT VERSION

### 8881MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable

Min. Bend Radius (Continuous Flexing):	77.216 mm
Flex Cycle Rating:	1 Million Flexes

#### Applicable Specifications and Agency Compliance (Overall)

##### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	UL Style AWM 2937 (300V 80C), NFPA 79

##### Flame Test

CSA Flame Test:	FT2
-----------------	-----

##### Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

#### Electrical Characteristics (Overall)

##### Nom. Characteristic Impedance:

Impedance (Ohm)  
47.000

##### Nom. Inductance:

Inductance (µH/m)  
0.085

##### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)  
201.125

##### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)  
51.512

##### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
34.122

##### Max. Operating Voltage - UL:

Voltage  
300 V RMS

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8881MN 004100	100 FT	8.700 LB	YELLOW		15 #20 PO FS PVC
8881MN 0041000	1,000 FT	77.000 LB	YELLOW		15 #20 PO FS PVC
8881MN 006100	100 FT	8.700 LB	BLUE, LIGHT		15 #20 PO FS PVC
8881MN 0061000	1,000 FT	77.000 LB	BLUE, LIGHT		15 #20 PO FS PVC
8881MN 008100	100 FT	8.700 LB	GRAY		15 #20 PO FS PVC
8881MN 0081000	1,000 FT	77.000 LB	GRAY		15 #20 PO FS PVC

Revision Number: 0 Revision Date: 06-30-2017

© 2017 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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



METRIC MEASUREMENT VERSION

## 8881MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable

product.  
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).