

9780MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1

**General Description:**

18 AWG stranded (41x34) TC conductors, polypropylene insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 20 AWG stranded TC drain wires, overall shielded w/Beldfoil® (100% coverage), 18 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
5	18	41x34	TC - Tinned Copper

Total Number of Conductors: 10

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.254

Inner Shield**Inner Shield Material:**

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

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
20	19x32	TC - Tinned Copper

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
18	19x30	TC - Tinned Copper	

Outer Jacket**Outer Jacket Material:**

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

Overall Cable

Overall Nominal Diameter: 9.449 mm

Pair**Pair Color Code Chart:**

Number	Color
1	Black & White
2	Red & Dark Green
3	Brown & Dark Blue
4	Orange & Yellow
5	Purple & Gray

9780MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
Bulk Cable Weight:	217.277 Kg/Km
Max. Recommended Pulling Tension:	578.266 N
Min. Bend/Installation:	37.846 mm
Min. Bend Radius (Continuous Flexing):	94.488 mm
Flex Cycle Rating:	1 Million Flexes

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC Articles:	800
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):	01/01/2004
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
-----------------	-----

Suitability

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

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)
39.000

Nom. Inductance:

Inductance (µH/m)
0.072

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
267.730

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
142.395

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
21.327

Max. Operating Voltage - UL:

Voltage
300 V RMS

9780MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9780MN 004100	100 FT	11.600 LB	YELLOW		5 FS PR #18 PO FS PVC
9780MN 0041000	1,000 FT	108.000 LB	YELLOW		5 FS PR #18 PO FS PVC
9780MN 006100	100 FT	11.600 LB	BLUE, LIGHT		5 FS PR #18 PO FS PVC
9780MN 0061000	1,000 FT	108.000 LB	BLUE, LIGHT		5 FS PR #18 PO FS PVC
9780MN 008100	100 FT	11.600 LB	GRAY		5 FS PR #18 PO FS PVC
9780MN 0081000	1,000 FT	108.000 LB	GRAY		5 FS PR #18 PO FS PVC

Revision Number: 0 Revision Date: 12-05-2016

© 2020 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 product.

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