

8871MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

18 AWG stranded (41x34) tinned copper conductors, conductors cabled, polypropylene insulation, overall Beldfoil® shield (100% coverage), 18 AWG stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
7	18	41x34	TC - Tinned Copper

Total Number of Conductors: 7

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
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 Cabling Color Code Chart:

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

Overall Nominal Diameter: 6.020 mm

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 110.127 Kg/Km

Max. Recommended Pulling Tension: 404.786 N

Min. Bend/Installation: 24.130 mm

Min. Bend Radius (Continuous Flexing): 60.198 mm

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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)

48.559

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

127.959

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

21.327

Max. Operating Voltage - UL:

Voltage

300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8871MN 004100	100 FT	6.700 LB	YELLOW		7 #18 PO FS PVC
8871MN 0041000	1,000 FT	57.000 LB	YELLOW		7 #18 PO FS PVC
8871MN 006100	100 FT	6.700 LB	BLUE, LIGHT		7 #18 PO FS PVC
8871MN 0061000	1,000 FT	57.000 LB	BLUE, LIGHT		7 #18 PO FS PVC
8871MN 008100	100 FT	6.700 LB	GRAY		7 #18 PO FS PVC

METRIC MEASUREMENT VERSION

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8871MN 0081000	1,000 FT	57.000 LB	GRAY	7 #18 PO FS PVC
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Revision Number: 0 Revision Date: 06-30-2017

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