

8781MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

22 AWG stranded (19x34) tinned copper conductor, polypropylene insulation, twisted pairs, individually shielded with Beldfoil® (100% coverage), 24 AWG stranded tinned copper drain wire, overall shielded with Beldfoil® (100% coverage), 22 AWG stranded tinned copper drain wire, overall PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
5	22	19x34	TC - Tinned Copper

Total Number of Conductors: 10

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.010

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
24	19x36	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
22	19x34	TC - Tinned Copper	

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.016

Overall Cable

Overall Nominal Diameter: 0.289 in.

Pair

Pair Color Code Chart:

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

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Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
Bulk Cable Weight:	57 lbs/1000 ft.
Max. Recommended Pulling Tension:	51 lbs.
Min. Bend/Installation:	1.160 in.
Min. Bend Radius (Continuous Flexing):	2.890 in.
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
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Suitability

Suitability - Indoor:	Yes
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)

0.18

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

62.700

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

33.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

14.900

Max. Operating Voltage - UL:

Voltage

300V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8781MN 004100	100 FT	6.700 LB	YELLOW		5 FS PR #22 PO FS PVC
8781MN 0041000	1,000 FT	56.000 LB	YELLOW		5 FS PR #22 PO FS PVC

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8781MN 006100	100 FT	6.700 LB	BLUE, LIGHT	5 FS PR #22 PO FS PVC
8781MN 0061000	1,000 FT	56.000 LB	BLUE, LIGHT	5 FS PR #22 PO FS PVC
8781MN 008100	100 FT	6.700 LB	GRAY	5 FS PR #22 PO FS PVC
8781MN 0081000	1,000 FT	56.000 LB	GRAY	5 FS PR #22 PO FS PVC

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