

## 8778MN 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, six 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
6	22	19x34	TC - Tinned Copper

Total Number of Conductors: 12

#### 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
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 (mm)
PVC - Polyvinyl Chloride	0.406

#### Overall Cable

Overall Nominal Diameter: 8.052 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
6	Pink & Tan

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### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
Bulk Cable Weight:	90.780 Kg/Km
Max. Recommended Pulling Tension:	698.367 N
Min. Bend Radius/Minor Axis:	32.258 mm
Min. Bend Radius (Continuous Flexing):	80.518 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
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#### Suitability

Suitability - Indoor:	Yes
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### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)	0.59058
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#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)	205.719
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#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)	108.273
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#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	48.887
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#### Max. Operating Voltage - UL:

Voltage	300V RMS
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### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8778MN 004100	100 FT	9.600 LB	YELLOW		6 FS PR #22 PO FS PVC
8778MN 0041000	1,000 FT	66.000 LB	YELLOW		6 FS PR #22 PO FS PVC

## METRIC MEASUREMENT VERSION

### 8778MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable

8778MN 006100	100 FT	9.600 LB	BLUE, LIGHT	6 FS PR #22 PO FS PVC
8778MN 0061000	1,000 FT	66.000 LB	BLUE, LIGHT	6 FS PR #22 PO FS PVC
8778MN 008100	100 FT	9.600 LB	GRAY	6 FS PR #22 PO FS PVC
8778MN 0081000	1,000 FT	66.000 LB	GRAY	6 FS PR #22 PO FS PVC

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