Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

8771MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable

For more Information please call

1-800-Belden1

General Description:

22 AWG stranded (19x34) tinned copper conductors, conductors cabled, polypropylene insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	22	19x34	TC - Tinned Copper

Total Number of Conductors:	3

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
24	19x36	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

Overall Nominal Diameter:	3.658 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
Bulk Cable Weight:	32.740 Kg/Km
Max. Recommended Pulling Tension:	66.723 N
Min. Bend/Installation:	14.732 mm
Min. Bend Radius (Continuous Flexing):	36.576 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

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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:

Tolerance (Ohms)
22

Nom. Inductance:

Inductance (µH/m)
0.102

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
216.546

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
108.273

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
48.887

Max. Operating Voltage - UL:

Voltage
300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8771MN 004100	100 FT	2.900 LB	YELLOW		3 #22 PO FS PVC
8771MN 0041000	1,000 FT	16.000 LB	YELLOW		3 #22 PO FS PVC
8771MN 006100	100 FT	2.900 LB	BLUE, LIGHT		3 #22 PO FS PVC
8771MN 0061000	1,000 FT	16.000 LB	BLUE, LIGHT		3 #22 PO FS PVC
8771MN 008100	100 FT	2.900 LB	GRAY		3 #22 PO FS PVC
8771MN 0081000	1,000 FT	16.000 LB	GRAY		3 #22 PO FS PVC

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