Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

9402MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable

For more Information please call

1-800-Belden1

General Description:

20 AWG stranded (26x34) TC conductors, polypropylene insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 22 AWG stranded TC drain wires, overall shielded w/Beldfoil® (100% coverage), 20 AWG stranded TC drain wire, overall PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	20	26x34	TC - Tinned Copper

Total Number of Conductors: 4

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
22	19x34	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
20	19x32	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: 6.452 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & White
2	Red & Dark Green

Mechanical Characteristics (Overall)

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

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Bulk Cable Weight:	72.922 Kg/Km
Max. Recommended Pulling Tension:	146.791 N
Min. Bend/Installation:	25.908 mm
Min. Bend Radius (Continuous Flexing):	64.516 mm
Flex Cycle Rating:	1 Million Flexes

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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):	04/01/2005
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

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
47.000

Nom. Inductance:

Inductance (µH/m)
0.085

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
201.125

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
106.961

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
34.122

Max. Operating Voltage - UL:

Voltage
300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9402MN 004100	100 FT	5.300 LB	YELLOW		2 FS PR #20 PO FS PVC
9402MN 0041000	1,000 FT	35.000 LB	YELLOW		2 FS PR #20 PO FS PVC
9402MN 006100	100 FT	5.300 LB	BLUE, LIGHT		2 FS PR #20 PO FS PVC
9402MN 0061000	1,000 FT	35.000 LB	BLUE, LIGHT		2 FS PR #20 PO FS PVC

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9402MN 008100	100 FT	5.300 LB	GRAY		2 FS PR #20 PO FS PVC
9402MN 0081000	1,000 FT	35.000 LB	GRAY		2 FS PR #20 PO FS PVC

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