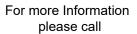
Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

8442mn Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable

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1-800-Belden1



General Description:

22 AWG stranded (19x34) tinned copper conductors, Polypropylene insulation, twisted pair, PVC jacket.

Physical Characteristics (Overall)	
Conductor	
AWG: # Conductors AWG Stranding Conductor Material	
2 22 19x34 TC - Tinned Copper	
Total Number of Conductors:	2
Insulation	
Insulation Material:	
Insulation Material Wall Thickness (mm) PP - Polypropylene 0.254	
Outer Shield Outer Shield Material:	
Outer Shield Material Unshielded	
Outer Jacket Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (mm)	
PVC - Polyvinyl Chloride 0.406	
Overall Cable	
Overall Cable Overall Cabling Color Code Chart: Number Color	
Overall Cabling Color Code Chart: Number Color 1 Black	
Overall Cabling Color Code Chart: Number Color	
Overall Cabling Color Code Chart: Number Color 1 Black	3.353 mm
Overall Cabling Color Code Chart: Number Color 1 Black 2 White	3.353 mm
Overall Cabling Color Code Chart: Number Color 1 Black 2 White Overall Nominal Diameter:	3.353 mm -20°C To +80°C
Overall Cabling Color Code Chart: Number Color 1 Black 2 White Overall Nominal Diameter: Mechanical Characteristics (Overall)	
Overall Cabling Color Code Chart: Number Color 1 Black 2 White Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range:	-20°C To +80°C
Overall Cabling Color Code Chart: Number Color 1 Black 2 White Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight:	-20°C To +80°C 13.394 Kg/Km
Overall Cabling Color Code Chart: Number Color 1 Black 2 White Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension:	-20°C To +80°C 13.394 Kg/Km 80.068 N
Overall Cabling Color Code Chart: Number Color 1 Black 2 White Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis:	-20°C To +80°C 13.394 Kg/Km 80.068 N 13.462 mm
Overall Cabling Color Code Chart: 1 Black 2 White Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis: Min. Bend Radius (Continuous Flexing): Flex Cycle Rating:	-20°C To +80°C 13.394 Kg/Km 80.068 N 13.462 mm 33.528 mm 1 Million Flexes
Overall Cabling Color Code Chart: Number Color 1 Black 2 White Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis: Min. Bend Radius (Continuous Flexing):	-20°C To +80°C 13.394 Kg/Km 80.068 N 13.462 mm 33.528 mm 1 Million Flexes pmpliance (Overall)
Overall Cabling Color Code Chart: 1 Black 2 White Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis: Min. Bend Radius (Continuous Flexing): Flex Cycle Rating: Applicable Specifications and Agency Communication	-20°C To +80°C 13.394 Kg/Km 80.068 N 13.462 mm 33.528 mm 1 Million Flexes pmpliance (Overall)
Overall Cabling Color Code Chart: Number Color 1 Black 2 White Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis: Min. Bend Radius (Continuous Flexing): Flex Cycle Rating: Applicable Specifications and Agency Contacter Sections	-20°C To +80°C 13.394 Kg/Km 80.068 N 13.462 mm 33.528 mm 1 Million Flexes pmpliance (Overall) rams

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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			
Suitability				
Suitability - Indoor:	Yes			

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)

0.102

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 44 294

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
8442MN 004100	100 FT	2.400 LB	YELLOW		1 PR #22 PO PVC
8442MN 0041000	1,000 FT	10.000 LB	YELLOW		1 PR #22 PO PVC
8442MN 006100	100 FT	2.400 LB	BLUE, LIGHT		1 PR #22 PO PVC
8442MN 0061000	1,000 FT	10.000 LB	BLUE, LIGHT		1 PR #22 PO PVC
8442MN 008100	100 FT	2.400 LB	GRAY		1 PR #22 PO PVC
8442MN 0081000	1,000 FT	10.000 LB	GRAY		1 PR #22 PO PVC

Revision Number: 0 Revision Date: 09-29-2016

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