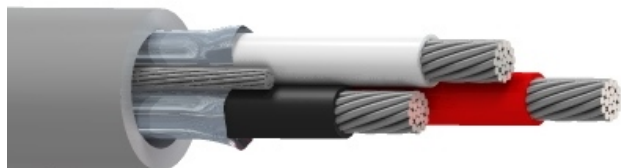**BELDEN**
SENDING ALL THE RIGHT SIGNALS

ENGLISH MEASUREMENT VERSION

8770MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable

For more Information
please call

1-800-Belden1

RoHS COMPLIANT — ENVIRONMENTALLY FRIENDLY

General Description:

18 AWG stranded (41x34) tinned copper conductors, conductors cabled, polypropylene insulation, overall Beldfoil® shield (100% coverage), 20 AWG stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor
AWG:

# Conductors	AWG	Stranding	Conductor Material
3	18	41x34	TC - Tinned Copper

Total Number of Conductors: 3

Insulation
Insulation Material:

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

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 (in.)
PVC - Polyvinyl Chloride	0.016

Overall Cable
Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red

Overall Nominal Diameter: 0.181 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
Bulk Cable Weight:	36 lbs/1000 ft.
Max. Recommended Pulling Tension:	39 lbs.
Min. Bend/Installation:	0.720 in.
Min. Bend Radius (Continuous Flexing):	1.810 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

ENGLISH MEASUREMENT VERSION

8770MN Multi-Conductor - SpaceMaker Audio, Control and Instrumentation Cable

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:

Impedance (Ohm)
39.000

Nom. Inductance:

Inductance (µH/ft)
0.022

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
43.400

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.500

Max. Operating Voltage - UL:

Voltage
300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8770MN 004100	100 FT	4.600 LB	YELLOW		3 #18 PO FS PVC
8770MN 0041000	1,000 FT	28.000 LB	YELLOW		3 #18 PO FS PVC
8770MN 006100	100 FT	4.600 LB	BLUE, LIGHT		3 #18 PO FS PVC
8770MN 0061000	1,000 FT	28.000 LB	BLUE, LIGHT		3 #18 PO FS PVC
8770MN 008100	100 FT	4.600 LB	GRAY		3 #18 PO FS PVC
8770MN 0081000	1,000 FT	28.000 LB	GRAY		3 #18 PO FS PVC

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