

YM52927 Multi-Conductor - Audio Control Interconnect Shipboard Cable

	For more Information please call 1-800-Belden1
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Description

22 AWG stranded (7x30) tinned copper conductors, twisted pairs, polypropylene insulation, individually shielded with 100% Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, LSZH jacket.

Suitable Applications (Overall):

Suitable Applications Audio, Control, or Instrumentation for Marine Shipboard and Offshore use.

Physical Characteristics (Overall):

Conductor:

AWG

# Pairs	AWG	Stranding	Conductor Material
2.000	22	7x30	TC - Tinned Copper

Insulation:

Insulation Material

Ins Material
PP - Polypropylene

Inner Shield:

Inner Shield Material

Inner Shield Trade Name	Type	Inner Shield Material	% Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG

AWG
24

Inner Shield Drain Wire Stranding 7x32

Inner Shield Drain Wire Conductor Material TC - Tinned Copper

Outer Jacket:

Outer Jacket Material

Outer Jacket Material
LSZH - Low Smoke Zero Halogen

Overall Cabling:

Overall Nominal Diameter: .196 in.

Pair:

Pair Color Code Chart

Number	Color
1	Red & Black
2	Green & White

Pair Lay Length & Direction

Lay Length (in.)	Twists/ft. (twist/ft)
1.500	8.000

Mechanical Characteristics (Overall):

Operating Temperature Range -30°C To +105°C

UL Temperature Rating 105°C

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Bulk Cable Weight:	24.400 lbs/1000 ft.
Max. Recommended Pulling Tension:	50 lbs.
Min. Bend Radius (Install):	1.600 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

NEC/(UL) Specification	CMG-LS
CEC/C(UL) Specification	CMG-LS
IEEE Specification	Std. 45 clause 23
IEC Specification	60092-376 clause 17, 60092-351, 60754-1, 60754-2, 61034
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	08/01/2005
Other Specification	UL444

Flame Test:

UL Flame Test	UL1685 FT4 Loading, Limited Smoke
CSA Flame Test	FT4, Limited Smoke
IEC Flame Test	60332-3-22 (Category A), 60332-1
IEEE Flame Test	1202

Suitability:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Sunlight Resistance	Yes

Plenum/Non-Plenum:

Plenum (Y/N)	N
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Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
45.000

Nom. Inductance

Inductance (µH/ft)
0.170

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
35.000

Nom. Capacitance Cond. to Other Conductor & Shield

Capacitance (pF/ft)
62.000

Nominal Velocity of Propagation

VP (%)
66

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
14.700

Max. Operating Voltage - UL

Voltage
300 V RMS

Max. Recommended Current

Current

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2.3 Amps per conductor @ 25°C

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:15 Ohm/1000 ft

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
TBD	TBD	TBD	TBD		2 FS PR #22 PP FRNHPO

Notes:

Revision Number: 0 Revision Date: 02-02-2008

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