

1502SB Multi-Conductor - Multimedia Control Cable



For more Information
please call

1-800-Belden1

**General Description:**

22 AWG stranded (7x30) TC conductors, HDFPE insulation (data), STP (Data) w/Beldfoil®, TC drain wire;
18 AWG (16x30) TC conductors, unshielded (power) pair, polypropylene insulation (power), LSZH Jacket.

Usage (Overall)**Suitable Applications:**

ABS Type Approved, Shipboard, Multi-Media Control, RS-422, RS-232, CMG-LS, IEEE 45 clause 23,
IEC 60092-376 clause 17, 60092-351, 60754-1, 60754-2, 61034, UL1685 FT4 Loading, Limited Smoke,
IEC 60332-3-22 (Category A), 60332-1, 60331-23

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	# Pairs	AWG	Stranding	Conductor Material
2		22	7x30	TC - Tinned Copper
	1	18	16x30	TC - Tinned Copper

Total Number of Conductors:

4

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	AWG
Datalene®	HDFPE - High Density Foam Polyethylene (Data)	18
	PP - Polypropylene (Power)	22

Inner Shield**Inner Shield Material:**

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)	Stranding	Dia. (in.)	Conductor Material
22 AWG Pair	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100			

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
24	7x32	TC - Tinned Copper

Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
LSZH - Low Smoke Zero Halogen

Outer Jacket Ripcord:

Yes

Overall Cable

Overall Nominal Diameter:

0.255 in.

Pair**Pair Color Code Chart:**

Number	Color
1	Blue & White
2	Red & Black

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 39 lbs/1000 ft.

Max. Recommended Pulling Tension: 59.800 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC(UL) Specification:	CMG-LS
CEC/C(UL) Specification:	CMG-LS
EU Directive 2011/65/EU (ROHS II):	Yes
IEEE Specification:	Std. 45 clause 23
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):	08/07/2006
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:	UL444, ABWS Type Approval Certificate 06-HS184641C

Flame Test

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

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Sunlight Resistance:	Yes
Non-halogenated:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Description	Impedance (Ohm)
22 AWG Pair	100

Nom. Inductance:

Description	Inductance (µH/ft)
22 AWG	.232
18 AWG	.168

Nom. Capacitance Conductor to Conductor:

Description	Capacitance (pF/ft)
22 AWG Pair	14
18 AWG Pair	

Nom. Capacitance Cond. to Other Conductor & Shield:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Capacitance (pF/ft)
22 AWG Pair				38

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
22 AWG	16.3
18 AWG	6.9

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
3.8 Amps per conductor @ 25°C (22 AWG); 7.2 Amps per conductor @ 25°C (18 AWG)

Notes (Overall)

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Notes: Sequential footage marking every two feet.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1502SB 0101000	1,000 FT	43.000 LB	BLACK	C	2#18 PP + 2FS #22 FHDPE FRNHPO

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 09-24-2012

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