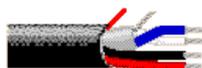


1502SB Multi-Conductor - Multimedia Control Cable



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.

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 |
|---------------|----|

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)

1502SB Multi-Conductor - Multimedia Control Cable

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.

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