Belden



# Product: 1502SB

Media Control, 1 Pair 22 AWG TC, 2 Cond. 18 AWG, LSZH Jacket, CMG-LS

## Product Description

Multimedia Control Cable, 1 Pair 22 AWG stranded (7x30) tinned copper (data) with foamed PE insulation, Beldfoil® shield w/ drain, 2 Conductor 18 AWG stranded (16x30) tinned copper conductor (power) with polypropylene insulation, CMG-LS, LSZH jacket

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | Multi-Media & Lighting Control, ABS approved for marine shipboard and offshore use |

### Construction Details

**Conductor**

| Element | Size | Stranding | Material |
|---|---|---|---|
| 22 AWG | 22 | 7x30 | TC - Tinned Copper |
| 18 AWG | 18 | 16x30 | TC - Tinned Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| 18 AWG | PP - Polypropylene | 0.007 in (0.18 mm) | 0.061 in (1.5 mm) | Red & Black |
| 22 AWG | PE - Polyethylene (Foam) | 0.020 in (0.51 mm) | 0.0685 in (1.74 mm) | Blue & White |

**Inner Shield**

| Shield Type | Material | Coverage |
|---|---|---|
| Tape | Bi-Laminate (Alum+Poly) | 100% |

**Outer Shield**

| Material |
|---|
| No Shield |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|---|---|---|---|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.045 in (1.1 mm) | 0.255 in (6.48 mm) | Yes |

### Electrical Characteristics

**Electricals**

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Nom. Inductance | Max. Current |
|---|---|---|---|---|---|
| 16.3 Ohm/1000ft (53.5 Ohm/km) | 14 pF/ft (46 pF/m) | 38 pF/ft (120 pF/m) | 100 Ohm | 0.232 µH/ft (0.761 µH/m) | 3.8 Amps per Conductor at 25ºC |
| 6.9 Ohm/1000ft (23 Ohm/km) | | | | 0.168 µH/ft (0.551 µH/m) | |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V |

### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 75°C | -30°C To +75°C |

| | |
|---|---|
| Max. Pull Tension: | 59.8 lbs (27.1 kg) |
| Bulk Cable Weight: | 39 lbs/1000ft (58 kg/km) |

## Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor/Outdoor, Indoor, Outdoor, Non-Halogenated, Sunlight Resistance |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, Limited Smoke, IEC 60332-1-2, IEC 60332-3-22 |
| CPR Compliance: | CPR Euroclass: Dca-s1,d1,a1 |
| NEC / UL Compliance: | Article 800, CMG-LS |
| CEC / C(UL) Compliance: | CMG-ST1 |
| IEEE Compliance: | Std. 45 clause 23 |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.627 Revision Date: 02-20-2026 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---|---|---|---|---|---|
| 1502SB 0101000 | Black | Reel | 1,000 ft | 612825116028 | C |

| | |
|---|---|
| Footnote: | C - CRATE REEL PUT-UP. |

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