

## 1353A Multi-Conductor - AES/EBU Digital Audio Cable

For more Information  
please call

1-800-Belden1



### General Description:

24 AWG Bonded-Pairs stranded (7x32) bare copper conductors, polyolefin insulation, PVC jacket.

### Usage (Overall)

Suitable Applications: Field Deployable Cat 5e Patch, CobraNet, eSnake, Ethersound, Digital Audio over Ethernet

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 1       | 24  | 7x32      | BC - Bare Copper   | .022       |

Total Number of Conductors: 2

#### Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) | Dia. (in.) |
|---------------------|----------------------|------------|
| PO - Polyolefin     | .0085                | .041       |

#### Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded            |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .022                      |

#### Overall Cable

Overall Nominal Diameter: 0.126 in.

#### Pair

Pair Color Code Chart:

| Number | Color                      |
|--------|----------------------------|
| 1      | White/Brown Stripe & Brown |

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 8 lbs/1000 ft.

Max. Recommended Pulling Tension: 18 lbs.

Min. Bend Radius/Minor Axis: 1.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 03/15/2007

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

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**Other Specification:** NEMA WC-63.1 Category 5, ICEA 661, Category 5e Patch, TIA/EI-568-B.2, Category 5e

**Applicable Patents:**

**Country**  
www.belden.com/p

**Flame Test**

**UL Flame Test:** UL1666 Riser

**CSA Flame Test:** FT4

**Suitability**

**Suitability - Indoor:** Yes

**Plenum/Non-Plenum**

**Plenum (Y/N):** No

### Electrical Characteristics (Overall)

**Nom. Capacitance Conductor to Conductor:**

**Capacitance (pF/ft)**  
14.500

**Nominal Velocity of Propagation:**

**VP (%)**  
70

**Maximum Delay:**

**Delay (ns/100 m)**  
510

**Maximum Conductor DC Resistance:**

**DCR @ 20°C (Ohm/100 m)**  
9

**Max. Operating Voltage - UL:**

**Voltage**  
300 V RMS

**Maximum DCR Unbalanced:**

**DCR Unbalance @ 20°C (%)**  
3

### Electrical Characteristics-Premise (Overall)

**Premise Cable Electrical Table 1:**

| Freq. (MHz) | Max. Attenuation (dB/100 m) | Min RL (dB) | Min. SRL (dB) |
|-------------|-----------------------------|-------------|---------------|
| 1           | 2.400                       | 20.000      | 23.0          |
| 4           | 4.900                       | 23.000      | 23.0          |
| 6           | 6.000                       |             |               |
| 8           | 6.900                       | 24.500      | 23.0          |
| 10          | 7.800                       | 25.000      | 23.0          |
| 12          | 8.400                       |             |               |
| 16          | 9.900                       | 25.000      | 23.0          |
| 20          | 11.100                      | 25.000      | 23.0          |
| 25          | 12.500                      | 24.300      | 22.0          |
| 31.25       | 14.100                      | 23.600      | 21.0          |
| 62.5        | 20.400                      | 21.500      | 18.0          |
| 100         | 26.400                      | 20.100      | 16.0          |

**Premise Cable Electrical Table 2:**

| Freq. (MHz) | Fitted Impedance |
|-------------|------------------|
| 1           | 105 ± 15         |
| 4           | 100 ± 15         |
| 8           | 100 ± 15         |
| 10          | 100 ± 15         |
| 16          | 100 ± 15         |
| 20          | 100 ± 15         |
| 25          | 100 ± 15         |
| 31.25       | 100 ± 15         |
| 62.5        | 100 ± 15         |
| 100         | 100 ± 15         |

### Notes (Overall)

**Notes:** EtherNet/IP is a trademark of ControlNet International, Ltd. under license by Open DeviceNet Vendor Association, Inc. Operating temperatures are subject to length de-rating.

**Put Ups and Colors:**

| Item #         | Putup    | Ship Weight | Color       | Notes | Item Desc         |
|----------------|----------|-------------|-------------|-------|-------------------|
| 1353A N3UU1000 | 1,000 FT | 9.000 LB    | GREEN, MIL  |       | 1 PR #24 PP FRPVC |
| 1353A 001U1000 | 1,000 FT | 9.000 LB    | BROWN       |       | 1 PR #24 PP FRPVC |
| 1353A 002U1000 | 1,000 FT | 9.000 LB    | RED         |       | 1 PR #24 PP FRPVC |
| 1353A 003U1000 | 1,000 FT | 9.000 LB    | ORANGE      |       | 1 PR #24 PP FRPVC |
| 1353A 004U1000 | 1,000 FT | 9.000 LB    | YELLOW      |       | 1 PR #24 PP FRPVC |
| 1353A 006U1000 | 1,000 FT | 9.000 LB    | BLUE, LIGHT |       | 1 PR #24 PP FRPVC |
| 1353A 007U1000 | 1,000 FT | 9.000 LB    | VIOLET      |       | 1 PR #24 PP FRPVC |
| 1353A 008U1000 | 1,000 FT | 9.000 LB    | GRAY        |       | 1 PR #24 PP FRPVC |
| 1353A 009U1000 | 1,000 FT | 9.000 LB    | WHITE       |       | 1 PR #24 PP FRPVC |
| 1353A 010U1000 | 1,000 FT | 9.000 LB    | BLACK       |       | 1 PR #24 PP FRPVC |
| 1353A 0101000  | 1,000 FT | 9.000 LB    | BLACK       |       | 1 PR #24 PP FRPVC |
| 1353A 010500   | 500 FT   | 5.500 LB    | BLACK       |       | 1 PR #24 PP FRPVC |

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