

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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