

## 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

Revision Number: 1    Revision Date: 02-28-2014

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