

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



For more Information  
please call

1-800-Belden1



### 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

#### 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 (Install)/Minor Axis:** 1.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

**NEC/(UL) Specification:** CMR

**CEC/C(UL) Specification:** CMG

**Other Standards:** 11801 Category 5e Patch

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

<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	03/15/2007
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Telecommunications Standards:</b>	568-B.2 Category 5e Patch
<b>Other Specification:</b>	NEMA WC-63.1 Category 5, ICEA 661, Category 5e Patch, TIA/EI-568-B.2, Category 5e

### Flame Test

<b>UL Flame Test:</b>	UL1666 Riser
<b>CSA Flame Test:</b>	FT4

### Suitability

<b>Suitability - Indoor:</b>	Yes
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### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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## Electrical Characteristics (Overall)

### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/ft)</b>
14.500

### Nominal Velocity of Propagation:

<b>VP (%)</b>
70

### Maximum Delay:

<b>Delay (ns/100 m)</b>
510

### Maximum Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/100 m)</b>
9

### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

### Maximum DCR Unbalanced:

<b>DCR Unbalance @ 20°C (%)</b>
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

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100	26.400	20.100	16.0
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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:** US Patents 5, 734, 126. 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.

### Related Documents:

No related documents are available for this product

### 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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