



**Product:** [1353A](#)

Digital Audio Cable, 2 Conductor 24 AWG, BC, CMR

**Product Description**

Analog/Digital Audio Cable, Riser-CMR, 1-24 AWG stranded bare copper bonded-pair, polyolefin insulation, PVC jacket

**Technical Specifications**

**Product Overview**

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

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
24	7x32	BC - Bare Copper	0.022 in	1

Conductor Count:	2
Total Number of Pairs:	1

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
PP - Polypropylene	0.041 in	0.0085 in

**Color Chart**

Number	Color
1	White/Brown Stripe & Brown

**Outer Shield Material**

Material
No Shield

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.126 in	0.022 in

**Electrical Characteristics**

**Conductor DCR**

Max. Conductor DCR	Max. DCR Unbalance
90 Ohm/km	3 %

**Capacitance**

Nom. Capacitance Conductor to Conductor
14.5 pF/ft

**Impedance**

Nominal Characteristic Impedance
100 Ohm

**High Frequency (Nominal/Typical)**

Frequency [MHz]
1 MHz
4 MHz
6 MHz
8 MHz
10 MHz
12 MHz
16 MHz
20 MHz
25 MHz
31.25 MHz
62.5 MHz
100 MHz

#### Delay

Max. Delay	Nominal Delay
510 ns/100m	510 ns/100m

#### High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. RL (Return Loss) [dB]	Min. SRL (Structural Return Loss)	Max./Min. Fitted Impedance
1 MHz	2.4 dB/100m	20 dB	23 dB	105 ± 15
4 MHz	4.9 dB/100m	23 dB	23 dB	100 ± 15
6 MHz	6 dB/100m			100 ± 15
8 MHz	6.9 dB/100m	24.5 dB	23 dB	100 ± 15
10 MHz	7.8 dB/100m	25 dB	23 dB	100 ± 15
12 MHz	8.4 dB/100m			100 ± 15
16 MHz	9.9 dB/100m	25 dB	23 dB	100 ± 15
20 MHz	11.1 dB/100m	25 dB	23 dB	100 ± 15
25 MHz	12.5 dB/100m	24.3 dB	22 dB	100 ± 15
31.25 MHz	14.1 dB/100m	23.6 dB	21 dB	100 ± 15
62.5 MHz	20.4 dB/100m	21.5 dB	18 dB	100 ± 15
100 MHz	26.4 dB/100m	20.1 dB	16 dB	100 ± 15

#### Voltage

UL Voltage Rating
300 V RMS

#### Temperature Range

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

#### Mechanical Characteristics

Bulk Cable Weight:	8 lbs/1000ft
Max. Pull Tension:	18 lbs
Min Bend Radius/Minor Axis:	1.5 in

#### Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
IEC Compliance:	11801 Category 5e Patch
CPR Euroclass:	Eca
TIA/EIA Compliance:	568-B.2 Category 5e Patch
Other Compliance:	NEMA WC-63.1 Category 5, ICEA 661, Category 5e Patch, TIA/EI-568-B.2, Category 5e

#### Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2007-03-15
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
-----------------------	-----

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

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

## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
1353A 010500	Black	Reel	500 ft	612825112600
1353A 0101000	Black	Reel	1,000 ft	612825112594
1353A 010U1000	Black	UnReel	1,000 ft	612825112587
1353A 006U1000	Blue, Light	UnReel	1,000 ft	612825112549
1353A 001U1000	Brown	UnReel	1,000 ft	612825112501
1353A 008U1000	Gray	UnReel	1,000 ft	612825112563
1353A N3UU1000	Green, Mil	UnReel	1,000 ft	612825112495
1353A 003U1000	Orange	UnReel	1,000 ft	612825112525
1353A 002U1000	Red	UnReel	1,000 ft	612825112518
1353A 007U1000	Violet	UnReel	1,000 ft	612825112556
1353A 009U1000	White	UnReel	1,000 ft	612825112570
1353A 004U1000	Yellow	UnReel	1,000 ft	612825112532

## Product Notes

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.
--------	---

## History

Update and Revision:	Revision Number: 0.319 Revision Date: 06-24-2020
----------------------	--

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.