



**Part Number:** 1353A

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**

Environmental Space:	Indoor - Riser
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
Conductor Size:	24 AWG

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
PO - Polyolefin	0.041 in	0.0085 in

**Color Chart**

Number	Color
1	White/Brown Stripe & Brown

**Outer Shield Material**

Material
Unshielded

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.126 in	0.022 in
	0.126 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
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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	Nominal Velocity of Propagation (VP) [%]
510 ns/100m	510 ns/100m	70 %

#### 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
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#### Mechanical Characteristics

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

#### Standards

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

#### Applicable Environmental and Other Programs

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
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## Flammability, LSOH, Toxicity Testing

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

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

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

## 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.
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