



**Product:** <u>1353A</u> ☑

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
Condu	uctor Count:		2	
Total N	Number of Pa	airs:	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



### **Outer Jacket Material**

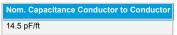
Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.126 in	0.022 in

### **Electrical Characteristics**

### Conductor DCR

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

### Capacitance



### 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	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	

# **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**

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, LS0H, 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

#### **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**

No	otes:	EtherNet/IP is a trademark of ControlNet Internation, Ltd. under license by Open DeviceNet Vendor Association, Inc. Operating temperatures are subject to length de-rating.
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# History

Update and Revision:	Revision Number: 0.316 Revision Date: 04-28-2020

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