



Part Number: 1353A

Audio Cable, #24-2c, BC, Unshielded, 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

Shielding:	Multiple or Specialty
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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	
	26.4 dB/100m	20.1 dB	16 dB	

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
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color
1353A 0101000	Black
1353A 010500	Black
1353A 010U1000	Black
1353A 006U1000	Blue, Light
1353A 001U1000	Brown
1353A 008U1000	Gray
1353A N3UU1000	Green, Mil
1353A 003U1000	Orange
1353A 002U1000	Red
1353A 007U1000	Violet
1353A 009U1000	White
1353A 004U1000	Yellow

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