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1-800-Belden1



General 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. (mm)
1	24	7x32	BC - Bare Copper	0.5588

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PO - Polyolefin	0.2159	1.0414

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.5588

Overall Cable

Overall Nominal Diameter: 3.200 mm

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: 11.906 Kg/Km

Max. Recommended Pulling Tension: 80.068 N

Min. Bend Radius/Minor Axis: 38.100 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 03/15/2007

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

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

Other Specification: NEMA WC-63.1 Category 5, ICEA 661, Category 5e Patch, TIA/EI-568-B.2, Category 5e

Applicable Patents:

Country

www.belden.com/p

Flame Test

UL Flame Test: UL1666 Riser

CSA Flame Test: FT4

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

47.575

Nominal Velocity of Propagation:

VP (%)

70

Maximum Delay:

Delay (ns/100 m)

510

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)

9

Max. Operating Voltage - UL:

Voltage

300 V RMS

Maximum DCR Unbalanced:

DCR Unbalance @ 20°C (%)

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
100	26.400	20.100	16.0

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: 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.

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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