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1-800-Belden1



General Description:

24 AWG Bonded-Pairs stranded (7x32) bare copper conductors, polyolefin insulation. Four x 4 pair cables bundled under a PVC jacket. Sequential marking at two foot intervals.

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. (in.)
16	24	7x32	BC - Bare Copper	0.024

Total Number of Conductors: 32

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PO - Polyolefin	0.043

Inner Jacket

Inner Jacket Material:

Layer #	Inner Jacket Trade Name	Inner Jacket Material	Nom. Dia. (in.)
1	Belflex(R)	PVC - Polyvinyl Chloride	0.250
2	Belflex(R)	PVC - Polyvinyl Chloride	0.250
3	Belflex(R)	PVC - Polyvinyl Chloride	0.250
4	Belflex(R)	PVC - Polyvinyl Chloride	0.250

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Belflex(R)	PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.757 in.

Pair

Pair Color Code Chart:

Number	Color
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +75°C
Bulk Cable Weight:	210 lbs/1000 ft.
Max. Recommended Pulling Tension:	176 lbs.
Min. Bend Radius/Minor Axis:	7.750 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2000/53/EC (ELV):	Yes

1304A4 Multi-Conductor - CatSnake®

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

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Mutual Capacitance:

Capacitance (pF/ft)
15

Maximum Capacitance Unbalance (pF/100 m):	66
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Nominal Velocity of Propagation:

VP (%)
70

Maximum Delay:

Delay (ns/100 m)
510

Typical Delay Skew:

Delay Skew (ns/ft)
15.000

Max. Delay Skew:

Delay Skew (ns/100 m)
25

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
25.000

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

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.

Notes (Cont'd.): *Belden recommends limiting the length of this product to 210' (64m) maximum absent application-specific compatibility testing.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1304A4 B591000	1,000 FT	267.000 LB	BLACK, MATTE		4 CHANNEL 4PR #24 PO FRPVC PVC
1304A4 B59500	500 FT	145.000 LB	BLACK, MATTE		4 CHANNEL 4PR #24 PO FRPVC PVC

Revision Number: 0 Revision Date: 10-16-2014

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