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please call

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

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
MIL 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:**

<b>Country</b>
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:**

<b>Capacitance (pF/ft)</b>
15

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

<b>VP (%)</b>
70

**Maximum Delay:**

<b>Delay (ns/100 m)</b>
510

**Typical Delay Skew:**

<b>Delay Skew (ns/ft)</b>
15.000

**Max. Delay Skew:**

<b>Delay Skew (ns/100 m)</b>
25

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
25.000

**Maximum Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/100 m)</b>
9

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

**Maximum DCR Unbalanced:**

<b>DCR Unbalance @ 20°C (%)</b>
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

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