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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. (mm)
16	24	7x32	BC - Bare Copper	0.610

Total Number of Conductors:

32

#### Insulation

##### Insulation Material:

Insulation Material	Dia. (mm)
PO - Polyolefin	1.092

#### Inner Jacket

##### Inner Jacket Material:

Layer #	Inner Jacket Trade Name	Inner Jacket Material	Nom. Dia. (mm)
1	Belflex(R)	PVC - Polyvinyl Chloride	6.350
2	Belflex(R)	PVC - Polyvinyl Chloride	6.350
3	Belflex(R)	PVC - Polyvinyl Chloride	6.350
4	Belflex(R)	PVC - Polyvinyl Chloride	6.350

#### 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:

19.228 mm

#### 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:	312.522 Kg/Km
Max. Recommended Pulling Tension:	782.883 N
Min. Bend Radius/Minor Axis:	196.850 mm

### 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
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
<a href="http://www.belden.com/p">www.belden.com/p</a>

#### 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/m)
49.215

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/m)
49.215

#### Max. Delay Skew:

Delay Skew (ns/100 m)
25

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
82.025

#### 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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