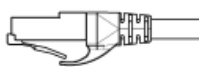


## C501306015 Cable Assemblies - CAT5E Modular Cord



For more Information  
please call

1-800-Belden1



### General Description:

CAT5E Pigtail, Bonded-Pair, 4 Pair, 24 AWG Solid, CMR, T568B-Open, Blue, 15 ft. (4.6 m).

### Usage (Overall)

Suitable Applications:	IBDN System 1200, TIA Category 5E, ISO Class D, 1000BASE-T, 100BASE-T
Related Parts:	CAT5E Modular Jacks, CAT5E Patch Panels, GigaBIX Connectors

### Multi Conductor

#### Physical Characteristics

##### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	24	Solid	BC - Bare Copper

##### Insulation

Insulation Material:

Insulation Material
PO - Polyolefin

##### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color Code Chart:

Color
Blue

##### Overall Diameter

Overall Nominal Diameter:	0.208 in.
Individual Cable Diameter:	0.240 in.

### Physical Characteristics (Connectivity)

#### Materials

Materials:

Description	Type	Material
Plug	RJ45	Polycarbonate
Boot		Rubber
Front Connection	Blades	Phosphor Bronze with 50u inch Gold over Nickel Plating

#### Color

Boot Color:	Translucent
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#### Wiring Scheme

Wiring Scheme:	T568B-Open
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#### Weight

Weight:	0.460 lbs.
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#### Packaging

Packaging:	Individually packaged in a clear plastic bag.
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### Mechanical Characteristics (Connectivity)

Plug / Jack Compatibility:	RJ45
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Termination Interface:

Termination	Connection	Durabilities
RJ45	Mated Connection	750 Cycles

Storage Temperature Range:	-40°C To +70°C
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Installation Temperature Range:	-10°C To +60°C
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## C501306015 Cable Assemblies - CAT5E Modular Cord

Operating Temperature Range:	-10°C To +60°C
Max. Recommended Pull Tension:	25 lbs.
Min. Bend Radius (Overall Cable):	1.040 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

UL Rating:	Riser
Other Standards:	FCC Part 68, Subpart F, IEC 60603-7
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2006
MII Order #39 (China RoHS):	EUP 50
Telecommunications Standards:	Category 5e - TIA 568.B.2, Category 5 - ISO/IEC 11801:2002 Ed.2
Safety Listing:	ACA, Bi-national Standard Listed

## Suitability

Suitability - Indoor:	Yes
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## Transmission Characteristics (Connectivity)

Performance Table 1:

Frequency (MHz)	Max. Insertion Loss TIA* (dB)	Max. Insertion Loss Belden (dB)	Min. PSNEXT TIA* (dB)	Min. PSNEXT Belden (dB)	Min. PSACRF TIA* (dB)	Min. PSACRF Belden (dB)
1.000	2.400	2.000	62.300	65.300	60.800	60.800
4.000	4.900	4.000	53.300	56.300	48.800	48.800
8.000	6.900	5.700	48.800	51.800	42.700	42.700
10.000	7.800	6.400	47.300	50.300	40.800	40.800
16.000	9.900	8.100	44.200	47.300	36.700	36.700
20.000	11.100	9.200	42.800	45.800	34.800	34.800
25.000	12.500	10.300	41.300	44.300	32.800	32.800
31.250	14.100	11.600	39.900	42.900	30.900	30.900
62.500	20.400	16.800	35.400	38.400	24.900	24.900
100.000	26.400	21.700	32.300	35.300	20.800	20.800
160.000		28.200		32.300		16.700

Performance Table - Footnote:

100 Meter Cable Specifications - \* TIA-EIA-568-B.2 Category 5e Standard ----- PSACRF is formally PSELFEXT

Performance Table 2:

Frequency (MHz)	Min. Return Loss TIA* (dB)	Min. Return Loss Belden (dB)
1.000	20.000	20.000
4.000	23.000	23.000
8.000	24.500	24.500
10.000	25.000	25.000
16.000	25.000	25.000
20.000	25.000	25.000
25.000	24.200	25.000
31.250	23.300	25.000
62.500	20.700	25.000
100.000	19.000	20.000
160.000		19.000

Dielectric Strength:	1,000 V RMS @ 60 Hz for 1 minute
Current Rating:	1.500 A
Insulation Resistance:	500 M-Ohm Minimum
Max. Contact Resistance:	20 m-Ohm

## Notes (Overall)

## Product Family

## Product List:

Length	Yellow	Green	Blue	Gray	White	Black
15 ft. (4.6 m)	-	-	C501306015	C501308015	C501309015	-
25 ft. (7.6 m)	-	-	C501306025	C501308025	C501309025	-
35 ft. (10.6 m)	-	-	C501306035	C501308035	C501309035	-
50 ft. (15.2 m)	-	-	C501306050	C501308050	C501309050	-

**C501306015 Cable Assemblies - CAT5E Modular Cord****Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
C501306015	1 EA	0.365 LB	NONE		PIGTAIL-B BCAT5E CMR BLU 15FT

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