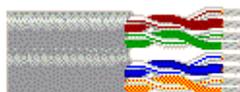


## 1875GB Multi-Conductor - Enhanced Category 6 Bonded-Pair Patch Cables



For more Information  
please call

1-800-Belden1



### Description:

24 AWG Bonded-Pairs, Bonded Stranded (7x32) Tinned Copper Conductor, Polyolefin Insulation, PVC Jacket.

### Usage (Overall)

**Suitable Applications:** Premise Patch Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422, Noisy Environments

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
4	24	7x32	TC - Tinned Copper, Bonded Strands

#### Insulation

##### Insulation Material:

Insulation Material
PO - Polyolefin

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

##### Outer Jacket Diameter:

Nom. Dia. (in.)
0.365
0.165

**Outer Jacket Ripcord:** No

#### Overall Cable

**Overall Nominal Diameter:** 0.365 x 0.165 in.

#### Pair

##### Pair Color Code Chart:

Number	Color
For T568-B Wiring	White/Brown Stripe & Brown
	White/Blue Stripe & Blue
	White/Green Stripe & Green
	White/Orange Stripe & Orange

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -20°C To +75°C

**Bulk Cable Weight:** 29 lbs/1000 ft.

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Max. Recommended Pulling Tension:	40 lbs.
Min. Bend Radius (Install)/Minor Axis:	0.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMR
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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
Telecommunications Standards:	Category 6 - TIA 568.C.2
Other Specification:	UL Verified to Category 6 Patch

#### Applicable Patents:

Country	Patent
US	5606151
US	5734126
US	5763823
US	5821467

#### Flame Test

UL Flame Test:	UL1666 Vertical Riser
C(UL) Flame Test:	FT4
CSA Flame Test:	FT4

#### Plenum/Non-Plenum

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

#### Nom. Mutual Capacitance:

Capacitance (pF/ft)
15.0

Maximum Capacitance Unbalance (pF/100 m):	49.2
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#### Nominal Velocity of Propagation:

VP (%)
70

#### Maximum Delay:

Delay (ns/100 m)
510 @ 100MHz

#### Max. Delay Skew:

Delay Skew (ns/100 m)
25

#### Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)
9

#### Max. Operating Voltage - UL:

Voltage
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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. NEXT (dB)	Min. PSNEXT (dB)	Min. ACR (dB)	Min. PSACR (dB)	Min RL (dB)
1	2.0	74.3	72.3	70.3	70.3	20.0
4	4.1	65.3	63.3	59.2	59.2	23.0
8	5.8	60.3	58.8	53.0	53.0	24.5
10	6.5	59.3	57.3	51.0	51.0	25.0
16	8.2	56.3	54.3	46.0	46.0	25.0
20	9.3	54.8	52.8	43.5	43.5	25.0
25	10.4	53.4	51.4	41.0	41.0	24.3
31.25	11.7	51.9	49.9	38.2	38.2	23.6
62.5	17.0	47.4	45.4	28.4	28.4	21.5
100	22.0	44.3	42.3	25	25	21.0
155	30.2	41.5	39.5	14	14	21.0
200	34.8	39.8	37.8	10	10	21.0
250	39.6	38.3	36.3	3	3	18.0
300	46.7	37.2	34.2	0	0	18.0
310	47.6	36.9	34.9			18.0
350	51.1	36.2	34.2			17.0
400	55.3	35.3	33.3			14.0
500	63.3	33.8	31.8			14.0

Premise Cable Electrical Table 2:

Freq. (MHz)	Input (Unfitted) Imp. (Ohms)	Fitted Impedance	Min. ELFEXT (dB)	Min. PSELFEXT (dB)
1	100 ± 12	100 ± 15	67.8	64.8
4	100 ± 12	100 ± 15	55.7	52.8
8	100 ± 12	100 ± 15	49.7	46.7
10	100 ± 12	100 ± 15	47.8	44.8
16	100 ± 12	100 ± 8	43.7	40.7
20	100 ± 12	100 ± 8	41.7	38.7
25	100 ± 15	100 ± 8	39.8	36.8
31.25	100 ± 15	100 ± 8	37.9	34.9
62.5	100 ± 15	100 ± 8	31.8	28.9
100	100 ± 15	100 ± 8	27.8	24.8
155	100 ± 15	100 ± 8	23.9	20.9
200	100 ± 15	100 ± 8	21.7	18.8
250	100 ± 20	100 ± 8	19.8	16.8
300	100 ± 20	100 ± 8	18.2	15.2
310	100 ± 20	100 ± 8	17.9	14.9
350	100 ± 22	100 ± 8	16.9	13.9
400	100 ± 32	100 ± 8	15.7	12.7
500	100 ± 32	100 ± 8	13.8	10.8

### Notes (Overall)

**Notes:** Jacket sequentially marked at 2 ft. intervals. Values above 350 MHz are information only. Third party verified to ANSI/TIA-568-C.2, Category 6 Patch RJ-45 Compatible

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1875GB F2V1000	1,000 FT	31.000 LB	GRAY, DEC		CAT6+ PATCH U/UTP CMR REEL
1875GB F6H1000	1,000 FT	31.000 LB	GRAY, DARK PEARL	C	CAT6+ PATCH U/UTP CMR REEL

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1875GB 0041000	1,000 FT	31.000 LB	YELLOW	C	CAT6+ PATCH U/UTP CMR REEL
1875GB 005A1000	1,000 FT	32.000 LB	GREEN, DARK		CAT6+ PATCH U/UTP CMR RIB
1875GB 0051000	1,000 FT	31.000 LB	GREEN, DARK		CAT6+ PATCH U/UTP CMR REEL
1875GB 006A1000	1,000 FT	32.000 LB	BLUE, LIGHT		CAT6+ PATCH U/UTP CMR RIB
1875GB 0061000	1,000 FT	31.000 LB	BLUE, LIGHT	C	CAT6+ PATCH U/UTP CMR REEL
1875GB 007A1000	1,000 FT	32.000 LB	VIOLET		CAT6+ PATCH U/UTP CMR RIB
1875GB 0091000	1,000 FT	31.000 LB	WHITE		CAT6+ PATCH U/UTP CMR REEL
1875GB 0101000	1,000 FT	31.000 LB	BLACK	C	CAT6+ PATCH U/UTP CMR REEL

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 3    Revision Date: 05-03-2011

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