



1875GB

Part Number: 1875GB

Enhanced Category 6 Bonded-Pair Patch Cables

Product Description

CAT6+ (350MHz), 4-Bonded-Pairs, U/UTP-Unshielded, Riser-CMR, Premise Patch Cable, 24 AWG Bonded Stranded (7x32) Tinned Copper Conductor, Polyolefin Insulation, PVC Jacket

Product Specifications

Technical Specifications

Product Description

Application

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

Classification

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
24	7x32	TC - Tinned Copper, Bonded Strands	4

Conductor

Total Number of Conductors:

8

Insulation:

Material

PO - Polyolefin

Insulation

Color Chart 1:

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

InnerShield

Cabling¹

Outershield 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.165 mm	No
	0.365 in	

OuterJacket¹

OuterJacket²

Part Number

Static Ground

Tracer

Electrical Characteristics

Conductor DCR:

Max. Conductor DCR	Max. DCR Unbalance
9 Ohm/100m	3 %

Capacitance:

Nominal Mutual Capacitance

15 pF/ft

General Electrical Parameters

Delay:

Max. Delay Skew	Nominal Velocity of Propagation (VP)
25 ns/100m	70 ns/100m

High Freq:

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT	Min. PSNEXT	Min. ACR	Min. PSACR	Min. ACRF (ELFEXT)	Min. PSACRF (PSELFEXT)	Min. RL (Return Loss)	Max./Min. Input Impedance (unFitted)	Max./Min. Fitted Impedance
1 MHz	2 db/100m	74.3 dB	72.3 dB	70.3 dB	70.3 dB	67.8 dB	64.8 dB	20 dB	100 ± 12 Ohm	100 ± 15 Ohm
4 MHz	4.1 db/100m	65.3 dB	63.3 dB	59.2 dB	59.2 dB	55.7 dB	52.8 dB	23 dB	100 ± 12 Ohm	100 ± 15 Ohm
8 MHz	5.8 db/100m	60.3 dB	58.8 dB	53 dB	53 dB	49.7 dB	46.7 dB	24.5 dB	100 ± 12 Ohm	100 ± 15 Ohm
10 MHz	6.5 db/100m	59.3 dB	57.3 dB	51 dB	51 dB	47.8 dB	44.8 dB	25 dB	100 ± 12 Ohm	100 ± 15 Ohm
16 MHz	8.2 db/100m	56.3 dB	54.3 dB	46 dB	46 dB	43.7 dB	40.7 dB	25 dB	100 ± 12 Ohm	100 ± 8 Ohm
20 MHz	9.3 db/100m	54.8 dB	52.8 dB	43.5 dB	43.5 dB	41.7 dB	38.7 dB	25 dB	100 ± 12 Ohm	100 ± 8 Ohm
25 MHz	10.4 db/100m	53.4 dB	51.4 dB	41 dB	41 dB	39.8 dB	36.8 dB	24.3 dB	100 ± 15 Ohm	100 ± 8 Ohm
31.25 MHz	11.7 db/100m	51.9 dB	49.9 dB	38.2 dB	38.2 dB	37.9 dB	34.9 dB	23.6 dB	100 ± 15 Ohm	100 ± 8 Ohm
62.5 MHz	17 db/100m	47.4 dB	45.4 dB	28.4 dB	28.4 dB	31.8 dB	28.9 dB	21.5 dB	100 ± 15 Ohm	100 ± 8 Ohm
100 MHz	22 db/100m	44.3 dB	42.3 dB	25 dB	25 dB	27.8 dB	24.8 dB	21 dB	100 ± 15 Ohm	100 ± 8 Ohm
155 MHz	30.2 db/100m	41.5 dB	39.5 dB	14 dB	14 dB	23.9 dB	20.9 dB	21 dB	100 ± 15 Ohm	100 ± 8 Ohm
200 MHz	34.8 db/100m	39.8 dB	37.8 dB	10 dB	10 dB	21.7 dB	18.8 dB	21 dB	100 ± 15 Ohm	100 ± 8 Ohm
250 MHz	39.6 db/100m	38.3 dB	36.3 dB	3 dB	3 dB	19.8 dB	16.8 dB	18 dB	100 ± 20 Ohm	100 ± 8 Ohm
300 MHz	46.7 db/100m	37.2 dB	34.2 dB	0 dB	0 dB	18.2 dB	15.2 dB	18 dB	100 ± 20 Ohm	100 ± 8 Ohm

310 MHz	47.6 db/100m	36.9 dB	34.9 dB			17.9 dB	14.9 dB	18 dB	100 ± 20 Ohm	100 ± 8 Ohm
350 MHz	51.1 db/100m	36.2 dB	34.2 dB			16.9 dB	13.9 dB	17 dB	100 ± 22 Ohm	100 ± 8 Ohm
400 MHz	55.3 db/100m	35.3 dB	33.3 dB			15.7 dB	12.7 dB	14 dB	100 ± 32 Ohm	100 ± 8 Ohm
500 MHz	63.3 db/100m	33.8 dB	31.8 dB			13.8 dB	10.8 dB	14 dB	100 ± 32 Ohm	100 ± 8 Ohm

Voltage:

UL Voltage Rating

300V RMS

Coupling Attenuation

Screening

Transfer Impedance

Use

Max Recommended Pulling Tension:

40 lbs

Material

Safety

C(UL) Flammability:

FT4

CSA Flammability:

FT4

UL Flammability:

UL1666 Riser

Temperature Range

Operating Temp Range:

-20°C To +75°C

Mechanical Characteristics

Bend Radius

Min Bend Radius/Minor Axis:

0.5 in

Min Bend Radius/Installation:

1.6 in

Crush Resistance

Connectors

Stripping Performance

EU Directive

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Part Number

Plenum (Y/N):	No
---------------	----

Applicable Patents

Country:	US
Patent:	5821467

Standards

Telecommunications Standards:	ANSI/TIA/EIA 568 C.2 Category 6
CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMR
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMR
Other Specification:	UL Verified to Category 6 Patch

Contact Information

PHONE_NUM:	1-800-Belden1
------------	---------------

History

Usage

Put Ups and Colors

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

Product Variants

Part Number	Put-Up Type	Length
1875GB 0041000	Reel	1000 ft
1875GB 0051000	Reel	1000 ft
1875GB 005A1000	Reel-in-Box	1000 ft
1875GB 0061000	Reel	1000 ft
1875GB 006A1000	Reel-in-Box	1000 ft
1875GB 007A1000	Reel-in-Box	1000 ft
1875GB 0091000	Reel	1000 ft
1875GB 0101000	Reel	1000 ft
1875GB F2V1000	Reel	1000 ft
1875GB F6H1000	Reel	1000 ft

© 2015 Belden, Inc.

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.