



Product: [1592A](#)

Category 5e Patch Cable, 4 Pair, U/UTP, CM

Product Description

Category 5e Premise Patch Cable (200MHz), 4 Pair, 24 AWG Stranded (7x32) Bare Copper Conductors, U/UTP, CM, PVC Jacket

Technical Specifications

Product Overview

Suitable Applications:	Premise Patch Cable, Ethernet 1000BASE-T, Ethernet 100BASE-TX, Ethernet 10BASE-T, PoE++, PoE+, PoE
------------------------	--

Construction Details

Conductor

AWG	Stranding	Material	Number of Pairs
24	7x32	BC - Bare Copper	4

Insulation

Material	Color Code
PO - Polyolefin	White/Blue Stripe & Blue, White/Orange Stripe & Orange, White/Green Stripe & Green, White/Brown Stripe & Brown
Bonded-Pair:	No

Outer Jacket Material

Material	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.213 in	No

Electrical Characteristics

Electricals

Max. Conductor DCR	Max. DCR Unbalance	Max. Capacitance Unbalance	Nom. Mutual Capacitance
93.8 Ohm/km	3%	330 pF/100m	15 pF/ft

Delay

Frequency [MHz]	Max. Delay	Max. Delay Skew	Nom. Velocity of Propagation (VP) [%]	Typical Delay Skew
100 MHz	537.6 ns/100m	45 ns/100m	69%	37 ns/100m

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. ACRF (ELFEXT) [dB]	Min. PSACRF (PSELFEXT) [dB]	Min. RL (Return Loss) [dB]	Max./Min. Input Impedance (unFitted)	Max./Min. Fitted Impedance
1 MHz	2.4 dB/100m	65.3 dB	62.3 dB	63.8 dB	60.8 dB	20.0 dB	100 ± 15 Ohm	100 ± 15 Ohm
4 MHz	4.9 dB/100m	56.3 dB	53.3 dB	51.7 dB	48.7 dB	23.0 dB	100 ± 15 Ohm	100 ± 15 Ohm
8 MHz	6.9 dB/100m	51.8 dB	48.8 dB	45.7 dB	42.7 dB	24.5 dB	100 ± 15 Ohm	100 ± 15 Ohm
10 MHz	7.8 dB/100m	50.3 dB	47.3 dB	43.8 dB	40.8 dB	25.0 dB	100 ± 15 Ohm	100 ± 15 Ohm
16 MHz	9.9 dB/100m	47.3 dB	44.2 dB	39.7 dB	36.7 dB	25.0 dB	100 ± 15 Ohm	100 ± 15 Ohm
20 MHz	11.1 dB/100m	45.8 dB	42.8 dB	37.7 dB	34.7 dB	25.0 dB	100 ± 15 Ohm	100 ± 15 Ohm
25 MHz	12.5 dB/100m	44.3 dB	41.3 dB	35.8 dB	32.8 dB	24.3 dB	100 ± 15 Ohm	100 ± 15 Ohm
31.25 MHz	14.1 dB/100m	42.9 dB	39.9 dB	33.9 dB	30.9 dB	23.6 dB	100 ± 15 Ohm	100 ± 15 Ohm
62.5 MHz	20.4 dB/100m	38.4 dB	35.4 dB	27.8 dB	24.8 dB	21.5 dB	100 ± 15 Ohm	100 ± 15 Ohm
100 MHz	26.4 dB/100m	35.3 dB	32.3 dB	23.8 dB	20.8 dB	20.1 dB	100 ± 15 Ohm	100 ± 15 Ohm
155 MHz	33.7 dB/100m	32.5 dB	29.4 dB	19.9 dB	16.9 dB	15.8 dB	100 ± 25 Ohm	100 ± 15 Ohm

200 MHz	38.9 dB/100m	30.8 dB	27.8 dB	17.7 dB	14.7 dB	15.0 dB	100 ± 25 Ohm	100 ± 15 Ohm
---------	--------------	---------	---------	---------	---------	---------	--------------	--------------

Voltage

UL Voltage Rating
300 V (CM)

Mechanical Characteristics

Temperature

UL Rating.	Operating	Installation	Storage
75°C	-20°C To +75°C	0°C To +50°C	-20°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
1.0 in	2.25 in

Max. Pull Tension:	25 lbs
Bulk Cable Weight:	21 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Fire Resistance:	UL 1685 (UL Loading-Limited Smoke)
NEC / UL Compliance:	800, CM
CEC / C(UL) Compliance:	CM
ICEA Compliance:	S-90-661-2012
IEEE Compliance:	IEEE 802.3bt Type 1, Type 2, Type 3
NEMA Compliance:	NEMA WC-63.1
Data Category:	Category 5e
TIA/EIA Compliance:	ANSI/TIA-568.2-D Category 5e
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
1592A 0101000	Black	Reel	1,000 ft	612825118749
1592A 010U1000	Black	UnReel	1,000 ft	612825118732
1592A 0061000	Blue	Reel	1,000 ft	612825118688
1592A 006U1000	Blue	UnReel	1,000 ft	612825118671
1592A F2V1000	Gray	Reel	1,000 ft	612825118589
1592A F2VU1000	Gray	UnReel	1,000 ft	612825118572
1592A 0051000	Green	Reel	1,000 ft	612825118664
1592A 005U1000	Green	UnReel	1,000 ft	612825118657
1592A 0031000	Orange	Reel	1,000 ft	612825118626
1592A 003U1000	Orange	UnReel	1,000 ft	612825118619
1592A 0071000	Purple	Reel	1,000 ft	612825118701
1592A 007U1000	Purple	UnReel	1,000 ft	612825118695
1592A 0021000	Red	Reel	1,000 ft	612825118602
1592A 002U1000	Red	UnReel	1,000 ft	612825118596
1592A 0091000	White	Reel	1,000 ft	612825118725
1592A 009U1000	White	UnReel	1,000 ft	612825118718
1592A 0041000	Yellow	Reel	1,000 ft	612825118640
1592A 004U1000	Yellow	UnReel	1,000 ft	612825118633

Product Notes

Notes:	Electrical values are expected performance based on cable testing and representative performance within a typical Belden system. Print Includes Descending Footage Markings.
--------	--

History

Update and Revision:	Revision Number: 0.383 Revision Date: 09-30-2020
----------------------	--

© 2020 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.