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

Size	Stranding	Material	Number of Pairs
24 AWG	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

Outer Jacket

Material	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.213 in (5.41 mm)	No

Overall Cable Diameter (Nominal):	0.213 in (5.41 mm)

Electrical Characteristics

Electricals

Max. Conductor DCR	Max. Capacitance Unbalance
93.8 Ohm/km	330 pF/100m

Delay

Frequency	Max. Delay	Max. Delay Skew	Nom. Velocity of Prop.	Typical Delay Skew
100 MHz	537.6 ns/100m	45 ns/100m	69%	37 ns/100m

High Frequency

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	2.4 dB/100m	65.3	62.3	63.8	60.8	20.0	100 ± 15 Ohm	100 ± 15 Ohm
4	4.9 dB/100m	56.3	53.3	51.7	48.7	23.0	100 ± 15 Ohm	100 ± 15 Ohm
8	6.9 dB/100m	51.8	48.8	45.7	42.7	24.5	100 ± 15 Ohm	100 ± 15 Ohm
10	7.8 dB/100m	50.3	47.3	43.8	40.8	25.0	100 ± 15 Ohm	100 ± 15 Ohm
16	9.9 dB/100m	47.3	44.2	39.7	36.7	25.0	100 ± 15 Ohm	100 ± 15 Ohm
20	11.1 dB/100m	45.8	42.8	37.7	34.7	25.0	100 ± 15 Ohm	100 ± 15 Ohm
25	12.5 dB/100m	44.3	41.3	35.8	32.8	24.3	100 ± 15 Ohm	100 ± 15 Ohm
31.25	14.1 dB/100m	42.9	39.9	33.9	30.9	23.6	100 ± 15 Ohm	100 ± 15 Ohm
62.5	20.4 dB/100m	38.4	35.4	27.8	24.8	21.5	100 ± 15 Ohm	100 ± 15 Ohm
100	26.4 dB/100m	35.3	32.3	23.8	20.8	20.1	100 ± 15 Ohm	100 ± 15 Ohm
155	33.7 dB/100m	32.5	29.4	19.9	16.9	15.8	100 ± 25 Ohm	100 ± 15 Ohm

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

Voltage

UL Voltage Rating
300 V (CM)

Mechanical Characteristics

Temperature

UL Temperature	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 (25 mm)	2.25 in (57.2 mm)

Max. Pull Tension:	25 lbs (11 kg)
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 / Reaction to Fire:	UL 1685 (UL Loading-Limited Smoke)
NEC / UL Compliance:	Article 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
Third Party Performance Verification:	Category 5e Patch
ISO/IEC Compliance:	ISO/IEC 11801-1, IEC 61156-6
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16
APAC Compliance:	China RoHS II (GB/T 26572-2011)

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: 0.396 Revision Date: 12-15-2021

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

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