



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
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Construction Details

Conductor

Size	Stranding	Material	No. 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)
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Electrical Characteristics

Electricals

Max. Conductor DCR	Max. Capacitance Unbalance
93.8 Ohm/km (28.6 Ohm/1000ft)	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) [Ohm]	Max./Min. Fitted Impedance [Ohm]
1	2.4 dB/100m	65.3	62.3	63.8	60.8	20.0	100 ± 15	100 ± 15
4	4.9 dB/100m	56.3	53.3	51.7	48.7	23.0	100 ± 15	100 ± 15
8	6.9 dB/100m	51.8	48.8	45.7	42.7	24.5	100 ± 15	100 ± 15
10	7.8 dB/100m	50.3	47.3	43.8	40.8	25.0	100 ± 15	100 ± 15
16	9.9 dB/100m	47.3	44.2	39.7	36.7	25.0	100 ± 15	100 ± 15
20	11.1 dB/100m	45.8	42.8	37.7	34.7	25.0	100 ± 15	100 ± 15
25	12.5 dB/100m	44.3	41.3	35.8	32.8	24.3	100 ± 15	100 ± 15
31.25	14.1 dB/100m	42.9	39.9	33.9	30.9	23.6	100 ± 15	100 ± 15
62.5	20.4 dB/100m	38.4	35.4	27.8	24.8	21.5	100 ± 15	100 ± 15
100	26.4 dB/100m	35.3	32.3	23.8	20.8	20.1	100 ± 15	100 ± 15
155	33.7 dB/100m	32.5	29.4	19.9	16.9	15.8	100 ± 25	100 ± 15

200	38.9 dB/100m	30.8	27.8	17.7	14.7	15.0	100 ± 25	100 ± 15
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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:	22 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
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.
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History

Update and Revision:	Revision Number: 0.547 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1592A 0101000	Black	Reel	1,000 ft	612825118749	C
1592A 010U1000	Black	UnReel	1,000 ft	612825118732	
1592A 0061000	Blue	Reel	1,000 ft	612825118688	C
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	C
1592A 005U1000	Green	UnReel	1,000 ft	612825118657	
1592A 0031000	Orange	Reel	1,000 ft	612825118626	C
1592A 003U1000	Orange	UnReel	1,000 ft	612825118619	
1592A 0071000	Purple	Reel	1,000 ft	612825118701	C
1592A 007U1000	Purple	UnReel	1,000 ft	612825118695	
1592A 0021000	Red	Reel	1,000 ft	612825118602	C
1592A 002U1000	Red	UnReel	1,000 ft	612825118596	
1592A 0091000	White	Reel	1,000 ft	612825118725	C
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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