



Product: [1752A](#)

Category 5e+ Patch Cable, 4 Bonded-Pairs, U/UTP, CM

Product Description

Category 5e+ Premise Patch Cable (350MHz), 4 Bonded-Pairs, 24 AWG Stranded (7x32) Tinned 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
Patent:	This product has one or more applicable patents. More information on patents can be found at https://www.belden.com/patents .

Construction Details

Conductor

Size	Stranding	Material	No. of Pairs
24 AWG	7x32	TC - Tinned 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:	Yes
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Outer Jacket

Material	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.220 in (5.59 mm)	No

Overall Cable Diameter (Nominal):	0.220 in (5.59 mm)
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Electrical Characteristics

Electricals

Max. Conductor DCR	Max. Capacitance Unbalance
90 Ohm/km (27 Ohm/1000ft)	160 pF/100m

Delay

Frequency	Max. Delay	Max. Delay Skew	Nom. Velocity of Prop.
100 MHz	537.6 ns/100m	25 ns/100m	70%

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	65.3	63.8	60.8	20.0	100 ± 12	105 ± 10
4	4.8 dB/100m	56.3	56.3	51.7	48.7	23.0	100 ± 12	100 ± 10
8	6.8 dB/100m	51.8	51.8	45.7	42.7	24.5	100 ± 12	100 ± 10
10	7.7 dB/100m	50.3	50.3	43.8	40.8	25.0	100 ± 12	100 ± 10
16	9.8 dB/100m	47.3	47.3	39.7	36.7	25.0	100 ± 12	100 ± 10
20	11.0 dB/100m	45.8	45.8	37.7	34.7	25.0	100 ± 12	100 ± 10
25	12.4 dB/100m	44.3	44.3	35.8	32.8	19.0	100 ± 15	100 ± 10
31.25	13.9 dB/100m	42.9	42.9	33.9	30.9	19.0	100 ± 15	100 ± 10

62.5	20.1 dB/100m	38.4	38.4	27.8	24.8	19.0	100 ± 15	100 ± 10
100	26.1 dB/100m	35.3	35.3	23.8	20.8	19.0	100 ± 15	100 ± 10
155	33.3 dB/100m	32.5	32.5	19.9	16.9	19.0	100 ± 18	100 ± 10
200	38.4 dB/100m	30.8	30.8	17.7	14.7	19.0	100 ± 18	100 ± 10
250	43.7 dB/100m	29.3	29.3	15.8	12.8	18.0	100 ± 20	100 ± 10
300	48.6 dB/100m	28.2	28.2	14.2	11.2	18.0	100 ± 20	100 ± 10
310	49.5 dB/100m	27.9	27.9	13.9	10.9	18.0	100 ± 20	100 ± 10
350	53.2 dB/100m	27.2	27.2	12.9	9.9	17.0	100 ± 22	100 ± 10

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)	2.2 in (56 mm)

Max. Pull Tension:	40 lbs (18 kg)
Bulk Cable Weight:	21 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Indoor
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	UL 1685 (UL 1581) Vertical Tray, FT1
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. Conductor strands are bonded together.
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History

Update and Revision:	Revision Number: 0.499 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1752A 0101000	Black	Reel	1,000 ft	612825122210	C
1752A 010U1000	Black	UnReel	1,000 ft	612825122203	
1752A 0061000	Blue	Reel	1,000 ft	612825122173	C
1752A 006U1000	Blue	UnReel	1,000 ft	612825122166	
1752A F2V1000	Gray	Reel	1,000 ft	612825122074	C
1752A F2VU1000	Gray	UnReel	1,000 ft	612825122067	
1752A 0051000	Green	Reel	1,000 ft	612825122159	C
1752A 005U1000	Green	UnReel	1,000 ft	612825122142	
1752A 0031000	Orange	Reel	1,000 ft	612825122111	C

1752A 003U1000	Orange	UnReel	1,000 ft	612825122104	
1752A 007U1000	Purple	UnReel	1,000 ft	612825122180	
1752A 0021000	Red	Reel	1,000 ft	612825122098	C
1752A 002U1000	Red	UnReel	1,000 ft	612825122081	
1752A 0041000	Yellow	Reel	1,000 ft	612825122135	C
1752A 004U1000	Yellow	UnReel	1,000 ft	612825122128	

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