



Product: [1305A](#)

CatSnake® Category 5E Tactical Upjacketed Cable, 4 Bonded-Pairs, U/UTP

Product Description
CatSnake® Category 5E Upjacketed Tactical Cable, 4 Bonded-Pairs, 24 AWG Stranded Bare Copper Conductors, U/UTP, Inner PVC jacket, Outer PVC Jacket

Technical Specifications

Product Overview

Suitable Applications:	Category 5e Patch, CobraNet, eSnake, Ethersound, Digital Audio Over Ethernet, 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	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:	Yes
--------------	-----

Inner Jacket

Material	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.236 in (5.99 mm)	No

Outer Jacket

Separator	Material	Nom. Diameter	Ripcord
Central Filler	PVC - Polyvinyl Chloride	0.298 in (7.57 mm)	No

Overall Cable Diameter (Nominal):	0.298 in (7.57 mm)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Max. Conductor DCR	Max. Capacitance Unbalance
93.8 Ohm/km (28.6 Ohm/1000ft)	90 pF/100m

Delay

Frequency	Max. Delay	Max. Delay Skew	Nom. Velocity of Prop.
100 MHz	537.6 ns/100m	45 ns/100m	70%

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. ACR [dB]	Min. PSACR [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	63.3	60.3	63.8	60.8	20.0	100 +/- 15	105 +/- 10
4	4.9 dB/100m	56.3	53.3	52.2	49.2	51.8	48.8	23.0	100 +/- 15	100 +/- 10
8	6.9 dB/100m	51.8	48.8	46.0	43.0	45.7	42.7	24.5	100 +/- 15	100 +/- 10
10	7.8 dB/100m	50.3	47.3	43.8	40.8	43.8	40.8	25.0	100 +/- 15	100 +/- 10

16	9.9 dB/100m	47.2	44.2	39.0	36.0	39.7	36.7	25.0	100 +/- 15	100 +/- 10
20	11.1 dB/100m	45.8	42.8	36.5	33.5	37.8	34.8	25.0	100 +/- 15	100 +/- 10
25	12.5 dB/100m	44.3	41.3	33.9	30.9	35.8	32.8	24.3	100 +/- 15	100 +/- 10
31.25	14.1 dB/100m	42.9	39.9	31.2	28.2	33.9	30.9	23.6	100 +/- 15	100 +/- 10
62.5	20.4 dB/100m	38.4	35.4	21.4	18.4	27.9	24.9	21.5	100 +/- 15	100 +/- 10
100	26.4 dB/100m	35.3	32.3	13.3	10.3	23.8	20.8	20.1	100 +/- 15	100 +/- 10
155	33.7 dB/100m	32.4	29.4	4.4	1.4	20.0	17.0	18.8	100 +/- 18	100 +/- 10
200	38.9 dB/100m	30.8	27.8		9.2	17.8	14.8	18.0	100 +/- 20	100 +/- 10
250	44.2 dB/100m	29.3	26.3		0	15.8	12.8	17.3	100 +/- 20	100 +/- 10
300	49.2 dB/100m	28.1	25.1			14.3	11.3	16.8	100 +/- 20	100 +/- 10
310	50.1 dB/100m	27.9	24.9			14.0	11.0	16.7	100 +/- 20	100 +/- 10
350	53.8 dB/100m	27.1	24.1			12.9	9.9	16.3	100 +/- 22	100 ± 10
310	49.5 dB/100m	27.9	27.9					18		
350	53.2 dB/100m	27.2	27.2					17		

Voltage

Voltage Rating
300 V

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.25 in (31.8 mm)	3.0 in (76 mm)

Max. Pull Tension:	40 lbs (18 kg)
Bulk Cable Weight:	38 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
ICEA Compliance:	S-90-661
NEMA Compliance:	NEMA WC-63.1
Data Category:	Category 5e
TIA/EIA Compliance:	ANSI/TIA-568.2-D Category 5e
ISO/IEC Compliance:	ISO/IEC 11801-1, IEC 61156-6
European Directive Compliance:	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. Operating Temperatures Are Subject to Length De-rating.
--------	--

History

Update and Revision:	Revision Number: 0.562 Revision Date: 12-12-2023
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
1305A B59500	Black, Matte	Reel	500 ft	612825111184
1305A B591000	Black, Matte	Reel	1,000 ft	612825111177

© 2025 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.