



Product: [1583ANH](#) 

CAT5e Horizontal, 4pr, UTP, PVC Jkt

Product Description

CAT5e (200MHz), 4-Pair, U/UTP-unshielded, Zero Halogen, Premise Horizontal cable, 4 Pair UTP, 24 AWG solid bare copper conductors, polyolefin insulation, ripcord, LSZH jacket.

Technical Specifications

Product Overview

Suitable Applications:	Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422, 200MHz Category 5e, Vertical Tray Rated
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Construction Details

Conductor

Size	Stranding	Material	No. of Pairs
24	Solid	BC - Bare Copper	4

Insulation

Material	Color Code
PO - Polyolefin	White/Blue & Blue, White/Orange & Orange, White/Green & Green, White/Brown & Brown

Outer Jacket

Material	Material Trade Name	Nom. Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	Haloarrest®	0.190 in	Yes

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.
100 MHz	537.6 ns/100m	45 ns/100m	70%

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation) [dB/100m]	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]	Min. SRL (Structural Return Loss) [dB]	Max./Min. Input Impedance (unFitted)	Max./Min. Fitted Impedance
1	2.0	65.3	62.3	63.0	60.3	63.8	60.8	20.0	23.0	100 ± 15 Ohm	100 ± 15 Ohm
4	4.1	56.3	53.3	51.0	49.2	51.7	48.7	23.0	23.0	100 ± 15 Ohm	100 ± 15 Ohm
8	5.8	51.8	48.8	46.0	43.0	45.7	42.7	24.5	24.5	100 ± 15 Ohm	100 ± 15 Ohm
10	6.5	50.3	47.3	43.0	40.8	43.8	40.8	25.0	25.0	100 ± 15 Ohm	100 ± 15 Ohm
16	8.2	47.3	44.3	39.0	36.0	39.7	36.7	25.0	25.0	100 ± 15 Ohm	100 ± 15 Ohm
20	9.3	45.8	42.8	36.5	33.5	37.7	34.7	25.0	25.0	100 ± 15 Ohm	100 ± 15 Ohm
25	10.4	44.3	41.3	33.9	30.9	35.8	32.8	24.3	24.3	100 ± 15 Ohm	100 ± 15 Ohm
31.25	11.7	42.9	39.9	31.0	28.2	33.9	30.9	23.6	23.6	100 ± 15 Ohm	100 ± 15 Ohm
62.5	17.0	38.4	35.4	22.0	19.0	27.8	24.9	21.5	21.5	100 ± 15 Ohm	100 ± 15 Ohm
100	22.0	35.3	32.3	14.0	10.3	23.8	20.8	20.1	20.1	100 ± 15 Ohm	100 ± 15 Ohm

155	28.1	32.5	29.5	4.4	1.4	19.9	16.9	15.8		100 ± 25 Ohm	100 ± 15 Ohm
200	32.4	30.8	27.8	4.0	1.0	17.7	14.7	15.0		100 ± 25 Ohm	100 ± 15 Ohm

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-20°C To +75°C	+5°C To +50°C	-20°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
1.0 in (25 mm)	2.0 in (51 mm)

Max. Pull Tension:	25 lbs (11 kg)
Bulk Cable Weight:	19 lbs/1000ft (28 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca, Indoor, Non-Halogenated
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
CEC / C(UL) Compliance:	.
IEEE Compliance:	IEEE 802.3bt Type 1, Type 2, Type 3
Data Category:	Category 5e
TIA/EIA Compliance:	ANSI/TIA-568-C.2 Category 5e
ISO/IEC Compliance:	11801 ed 2.2 (2011) Class D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2017-07-10
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	1585A
Non-Plenum Number:	1583A

Product Notes

Notes:	Electrical values are expected performance based on cable testing and representative performance within a typical Belden system. Values above 100 MHz are for Engineering Information Only. Print Includes Descending Meter Markings.
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History

Update and Revision:	Revision Number: 0.483 Revision Date: 02-20-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1583ANH F6H1000	Gray	Reel	1,000 ft	612825118190	C

Footnote:	C - CRATE REEL PUT-UP.
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