



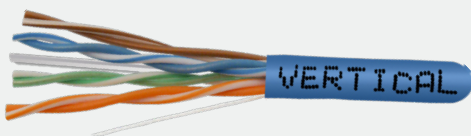
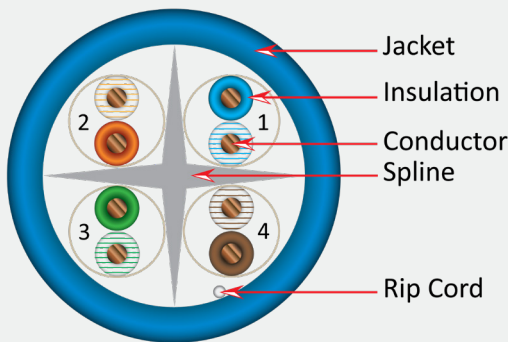
VERTICAL CABLE

DESCRIPTION

CAT6 CMP (Plenum-Rated) UTP,
UL-Listed, PoE Type 3, 550 MHz, 23 AWG,
1000 ft, Pull Box

FEATURES

- 4-Pair Unshielded Twisted-Pair (UTP) Construction
- Plenum Fire Safety Rating (CMP)
- 23 AWG Solid Bare Copper Conductors
- Supports High-Speed Data Applications
- Moisture-Resistant Box equipped with easy-to-pull tube
- Excellent Insertion Loss and Crosstalk Characteristics
- Supports PoE Type 3 (IEEE 802.3bt) up to 60 W
- UL-listed, RoHS-Compliant
- Covered by 25-Year Warranty
- 1000 ft Pull Box
- Weight: 41 lb. (18.6 kg)



CAT6 CMP CABLE

UTP | MADE IN THE USA | UL-LISTED

167 SERIES

PART NUMBERS

167-101/P/BL

● (Blue)

167-108/P/WH

○ (White)

CONSTRUCTION

Size:	Solid Bare Copper
Insulation (all pairs):	23 AWG
Stranding:	FEP 0.0074 - 0.0098 in. (0.190 mm)
Spline:	Solid
Insulation Color Coding:	Fluoropolymer Filler
	Pair 1: Blue/White-Blue Pair 2: Orange/White-Orange
	Pair 3: Green/White-Green Pair 4: Brown/White-Brown
Number of Conductors:	8 (4 Pairs)
Jacket Material:	PVC: Flame Retardant Polyvinyl Chloride
Jacket Average Wall:	0.015 in. ± 0.002 (0.381 mm)
Conductor Average DIA:	0.046 in. (1.17 mm)
Ripcord:	Yes
Shield:	None
Drain Wire:	None
Cable Out DIA:	0.260 in. Nom. (6.60 mm)

JACKET MARKING

E472493 c(UL)us CMP-LP (0.5A) UTP FT6 75C 23 AWG 4PR CAT6E
VERIFIED TO ANSI/TIA 568.2-E ISO-IEC 11801---TESTED TO 550
MHz ROHS COMPLIANT MADE IN USA OP#172/CL1 XXXXFT

COMPLIANCE

Safety:	UL-Listed (tested per UL 444)
	RoHS2 (Directive 2011/65/EU)
Fire Safety:	NEC CMP (tested per NFPA 262)
Performance:	ANSI/TIA-568.2-D (ETL-verified)

ELECTRICAL

Operating Voltage Rating:	300 V _{RMS}
DC Resistance/Conductor:	8.3 Ohms/100 m nom. @ 20 °C max.
Resistance Unbalance:	0.5%
Mutual Capacitance:	4.63 nF/100 m max.
Input Impedance:	100 Ω±15%
Nominal Impedance:	100 Ω±15% (100 MHz)
	±20 Ω (100-250 MHz)
	±25 Ω (251-500 MHz)

MECHANICAL

Max. Rec. Pull Tension:	25 lb (111 N)
Min. Bend Radius:	0.9 in. min.
Approx. Climate Weight:	28 lb/1 mft nom.



Florida (HQ)
800-749-2447

California
951-696-7772

New York
845-391-8318

Texas
713-322-7242

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Rev. 07/2026

ENVIRONMENTAL

Storage Temperature:	100±15
Installation Temperature:	0° C to +50° C
Operating Temperature:	-20° C to +75° C
Operating Humidity:	≤93% RH non-condensing
Delay Skew:	11.08ns/100m
NVP:	73.8%

APPLICATION SUPPORT

PoE:	15-W PoE Type 1 (IEEE 802.3af) 30-W PoE+ Type 2 (IEEE 802.3at) 60-W PoE++/4PPoE Type 3 (IEEE 802.3bt)
HDBase-T:	Class A – Class D
Ethernet:	10GBASE-T (IEEE 802.3an) 2.5GBASE-T/5GBASE-T (IEEE 802.3bz) 1000BASE-T (IEEE 802.3ab) Gigabit Ethernet 100BASE-TX (IEEE 802.3u) 100-Mbps Ethernet (Fast Ethernet)
ATM:	ATM LAN 25/51/155/622
ANSI:	ANSI X3T9.5 TP-PMD (FDDI)

AWG	Number of 4-Pair Cables in Bundle																				
	1			2-7			8-19			20-37			38-61			62-91			92-192		
	60°C	75°C	90°C	60°C	75°C	90°C	60°C	75°C	90°C	60°C	75°C	90°C	60°C	75°C	90°C	60°C	75°C	90°C	60°C	75°C	90°C
24	2.0	2.0	2.0	1	1.4	1.6	0.8	1	1.1	0.6	0.7	0.9	0.1	0.1	0.7	0.4	0.5	0.6	0.3	0.4	0.5
23	2.5	2.5	2.5	1.2	1.5	1.7	0.8	1.1	1.2	0.6	0.8	0.9	0.5	0.7	0.8	0.5	0.7	0.8	0.4	0.5	0.6
22	3.0	3.0	3.0	1.4	1.8	2.1	1	1.2	1.4	0.7	0.9	1.1	0.6	0.8	0.9	0.6	0.7	0.8	0.5	0.6	0.7

ENG SWEEP TO 750MHZ, values above 550 MHz are for internal reference only.

Frequency (MHz)	Insertion Loss	Next	PS NEXT	ACR	PSACR-N	ACR-F	PSACR-F	Return Loss
1	1.6	100.8	98.3	104.6	95.0	102.1	96.3	40.0
4	3.2	109.3	95.8	94.5	86.1	90.2	87.0	42.4
8	4.6	88.2	86.3	96.1	80.0	86.7	80.2	40.2
10	5.2	91.7	85.1	86.0	81.9	84.9	73.6	39.8
16	6.6	92.7	85.6	85.6	75.0	76.7	68.0	38.4
20	7.4	86.8	80.3	77.4	69.9	70.4	63.2	38.9
25	8.3	81.5	75.7	77.7	67.7	81.2	58.8	40.7
31.25	9.3	77.1	75.3	77.1	64.0	77.3	56.5	38.0
62.5	13.5	71.7	70.6	67.7	57.2	59.1	57.8	43.2
100	17.3	80.9	69.4	66.7	53.4	54.4	48.0	37.8
155	22.0	70.0	63.6	58.5	37.5	38.3	36.4	35.5
200	25.2	70.6	62.5	48.5	35.6	41.3	33.4	36.7
250	28.5	70.9	64.3	45.3	34.1	38.8	29.4	29.1
300	31.3	70.2	62.0	38.7	27.1	34.5	20.5	28.1
350	34.0	68.8	60.4	40.5	20.6	31.4	18.5	27.6
400	36.8	63.8	58.6	43.4	20.7	29.1	10.8	29.9
450	39.7	61.3	58.2	28.7	13.7	16.5	13.1	26.7
500	42.1	59.0	56.4	33.1	10.9	13.9	13.4	26.6
550	44.1	67.0	59.1	25.1	7.3	13.3	8.4	24.8

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MADE IN THE USA

RoHS

Rev. 07/2026

**Cable ID/ Test ID: CAT6-CMP-UTP****Test Limit: TIA Cat 6 Perm. Link (+PoE)**

Limits Version: V7.11

Date / Time: 12/01/2025 08:57:31 AM

Operator: TY

Headroom 7.1 dB (NEXT 3,6-4,5)

Cable Type: Cat 6 U/UTP

NVP: 72.0%

Main: Versiv

S/N: 1808023

Software Version: V6.13 Build 2

Calibration Date: 07/11/2025

Adapter: DSX-8000 (DSX-PLA804)

S/N: 23290282

Test Summary: PASS

Remote: Versiv

S/N: 1807069

Software Version: V6.13 Build 2

Calibration Date: 07/11/2025

Adapter: DSX-8000R (DSX-PLA804)

S/N: 21331027

Length (ft), Limit 295	[Pair 1,2]	295
Prop. Delay (ns), Limit 498	[Pair 4,5]	446
Delay Skew (ns), Limit 44	[Pair 4,5]	30
Resistance (ohms), Limit 21.00	[Pair 3,6]	15.30
Resist. Unbal. (ohms), Limit 0.460	[Pair 3,6]	0.269
Resist. P2P Unbal. (ohms), Limit 0.510	[Pair 1,2-3,6]	0.337

Insertion Loss Margin (dB)	[Pair 4,5]	1.9
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	31.1

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	7.1	7.3	7.8	7.8
Freq. (MHz)	8.9	30.4	203.0	241.0
Limit (dB)	58.6	50.2	36.8	35.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.4	8.5	8.4	9.5
Freq. (MHz)	206.0	107.5	206.0	240.0
Limit (dB)	34.1	38.8	34.1	33.0

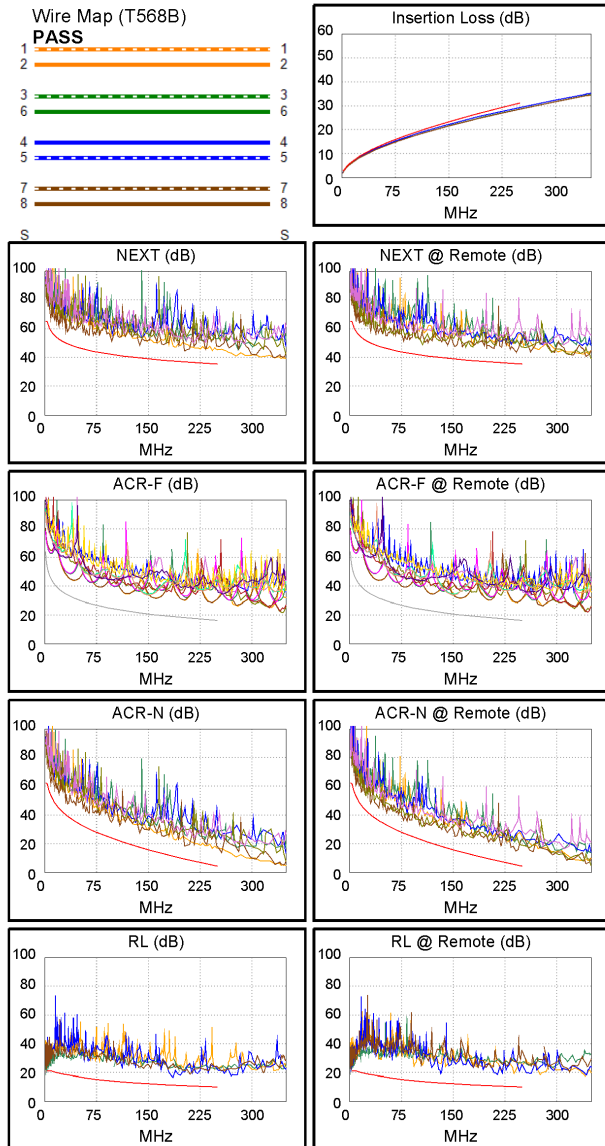
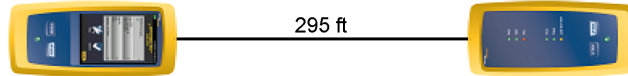
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-1,2	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	11.3	11.3	11.9	11.9
Freq. (MHz)	161.0	162.0	242.5	242.5
Limit (dB)	20.1	20.0	16.5	16.5
Worst Pair	1,2	1,2	1,2	1,2
PS ACR-F (dB)	13.1	13.2	14.2	14.5
Freq. (MHz)	202.5	203.5	240.0	242.5
Limit (dB)	15.1	15.0	13.6	13.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.3	7.6	11.7	9.6
Freq. (MHz)	8.9	30.4	244.0	241.0
Limit (dB)	53.4	40.4	4.8	5.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.2	9.6	12.5	11.4
Freq. (MHz)	8.9	30.5	249.5	241.0
Limit (dB)	51.1	37.9	1.7	2.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	4,5	4,5
RL (dB)	3.7	4.7	4.8	7.3
Freq. (MHz)	3.8	4.9	187.0	215.0
Limit (dB)	21.0	21.0	11.3	10.7

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
100BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		



LinkWare™ PC Version 11.8

Project: DEFAULT
 Site: Not Set
 Floor: Not Set
 Rack: Not Set
 Untitled1

Building: Not Set
 Room: Not Set
 Patch: Not Set

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