



CAT6 UTP PLENUM-RATED

CMP RATED | UL-LISTED

066 SERIES

DESCRIPTION

CAT6, 23 AWG, UTP, 8C Solid Bare Copper, 550 MHz, CMP Rated, UL-Listed

FEATURES

- High-Performance Data Cable
- Suitable for High-Speed Data Applications, Gigabit Ethernet, Fast Ethernet
- Easily Identified Color-Striped Pairs
- Unshielded Twisted Pair (UTP) Cable
- 23 AWG Solid Bare Copper Conductors
- Exceeds ANSI/TIA-568.2-D
- Supports PoE+ (Type 2) IEEE 802.3at (25.5W)
- Excellent Attenuation and Crosstalk
- UL-Listed, RoHS Compliant, TAA Compliant
- 1000 ft. Pull Box
- Weight: 28.5 lb. (12.9 kg)



PART NUMBERS			
066-554/P/BK	● (Black)	066-662/P/PR	● (Purple)
066-555/P/BL	● (Blue)	066-558/P/RD	● (Red)
066-556/P/GR	● (Green)	066-559/P/WH	○ (White)
066-661/P/OR	● (Orange)	066-660/P/YL	● (Yellow)

TECHNICAL DATA

NVP: 69%

CONDUCTOR

Solid Bare Copper

AWG: 23

INSULATION

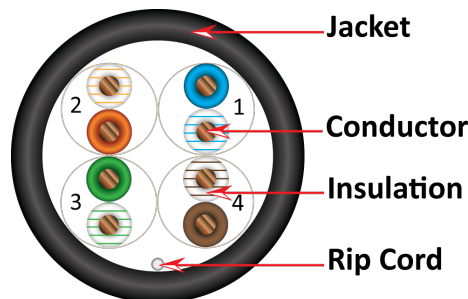
Thickness: FEP 0.009 in. (0.22 mm)

JACKET

FR-PVC LSZH (Low Smoke Zero Halogen)
 Outer Diameter: 0.21 in. (5.3 mm)
 Separator (Divider): No (Spline-less)
 Rip Cord: Yes
 Color Coding: Pair 1: Blue/White-Blue Pair 2: Orange/White-Orange
 Pair 3: Green/White-Green Pair 4: Brown/White-Brown
 Vertical Cable E191267 (UL) c(UL) CMP FT6 75 °C
 23 AWG 4PR - ETL VERIFIED CAT6 ANSI/TIA 568.2-D
 TESTED TO 550MHz ROHS COMPLIANT P13199
 1000FT 01/2023

STANDARDS

Flame Test 6 (FT6 Rating), ANSI/NFPA Standard 262 with the applicable electrical transmission characteristics



Florida (HQ)
800-749-2447

California
951-696-7772

New York
845-391-8318

Texas
713-322-7242

verticalcable.com

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RoHS

Rev. 05/2026

ELECTRICAL CHARACTERISTICS

Conductor Resistance:	93.8 Ω/km 20 °C Max.
Mutual Capacitance:	5.6 nF/100m Max.
Resistance Unbalance:	5% Max.
Capacitance Unbalance:	330 pF/100m Max.

Frequency (Mhz)	Return Loss (Min dB/100m)	Attenuation (Min dB/100m)	Next (Min dB/100m)	PSNEXT (Min dB/100m)	FEXT (Min dB/100m)	PS ELNEXT (Min dB/100m)
1	21.0	2.0	74.3	72.3	67.8	64.8
4	23.4	3.8	65.3	63.3	55.7	52.7
8	24.6	5.4	60.8	58.8	49.7	46.7
10	25.0	6.0	59.3	57.3	47.8	44.8
16	25.0	7.7	56.3	54.3	43.7	40.7
20	25.0	8.6	54.8	52.8	41.7	38.7
25	24.3	9.6	53.3	51.3	39.8	36.8
31.25	23.6	10.8	51.9	49.9	37.9	34.9
62.5	21.5	15.7	47.4	45.4	31.8	28.8
100	20.1	20.2	44.3	42.3	27.8	24.8
200	18.0	29.8	39.8	37.0	21.7	18.7
250	17.3	33.8	38.3	36.3	19.8	16.8
300	16.8	34.9	37.1	35.1	18.3	15.3
350	16.3	36.3	36.1	34.1	16.9	13.9
400	15.9	39.6	35.3	33.3	15.8	12.8
500	15.2	45.4	33.8	31.8	13.8	10.8
550	14.9	48.3	33.2	31.2	13.0	10.0



Cable ID: 066-10G TEST

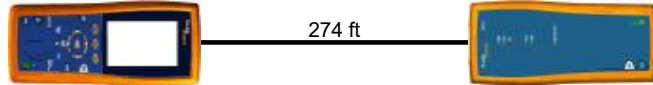
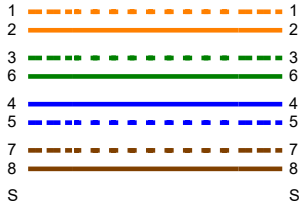
Test Summary: PASS

Date / Time: 06/14/2013 12:30:31pm
 Headroom: 3.5 dB (NEXT 12-45)
 Test Limit: 10GBASE-T
 Cable Type: Cat 6 UTP

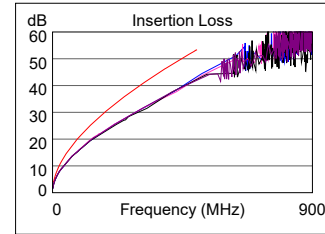
Operator: Your Name
 Software Version: 2.5200
 Limits Version: 1.7000
 NVP: 69.0%

Model: DTX-1800
 Main S/N: 1279007
 Remote S/N: 1279008
 Main Adapter: DTX-CHA002
 Remote Adapter: DTX-CHA002

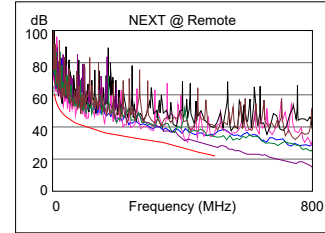
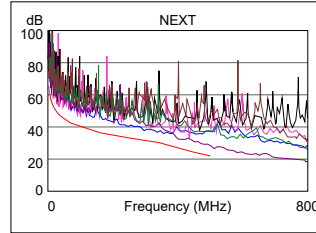
Wire Map (T568B)
PASS



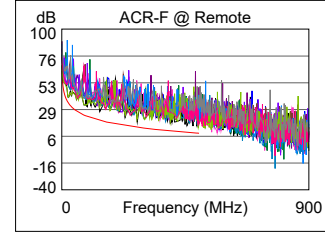
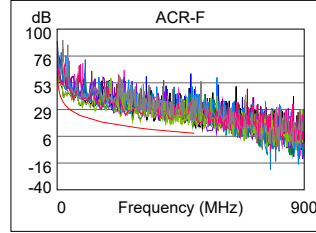
Length (ft)	[Pair 45]	274
Prop. Delay (ns), Limit 555		437
Delay Skew (ns), Limit 50		34
Resistance (ohms)	[Pair 36]	18.0
Insertion Loss Margin (dB)	[Pair 36]	10.6
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	53.4



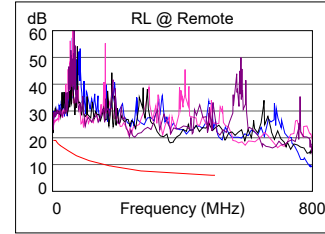
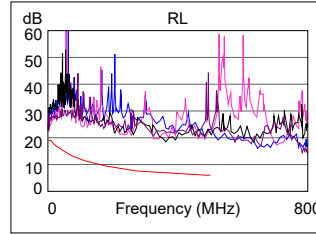
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	36-45
NEXT (dB)	4.6	3.5	6.0	5.5
Freq. (MHz)	29.5	46.5	484.0	493.0
Limit (dB)	48.8	45.5	22.7	22.3
Worst Pair	12	45	36	36
PS NEXT (dB)	5.0	3.9	6.5	5.5
Freq. (MHz)	29.4	402.0	484.0	491.0
Limit (dB)	46.2	24.4	21.0	20.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	78-12	12-78
ACR-F (dB)	4.5	4.1	5.5	4.1
Freq. (MHz)	22.9	495.0	495.0	495.0
Limit (dB)	36.1	9.4	9.4	9.4
Worst Pair	12	78	12	36
PS ACR-F (dB)	6.6	6.9	6.6	7.6
Freq. (MHz)	498.0	304.0	498.0	494.0
Limit (dB)	6.3	10.6	6.3	6.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	3.8	5.1	11.4	11.3
Freq. (MHz)	3.9	3.9	390.0	361.0
Limit (dB)	19.0	19.0	6.1	6.4



Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 10GBASE-T ATM-25
 ATM-51 ATM-155 100VG-AnyLan
 TR-4 TR-16 Active TR-16 Passive

LinkWare Version 6.1

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800-749-2447

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