



VERTICAL CABLE

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)



CAT6 UTP PLENUM-RATED

CMP RATED | UL-LISTED

066 SERIES

PART NUMBERS

066-554/P/BK	066-662/P/PR
066-555/P/BL	066-558/P/RD
066-556/P/GR	066-559/P/WH
066-661/P/OR	066-660/P/YL

TECHNICAL DATA

NVP: 69%

CONDUCTOR

AWG: Solid Bare Copper

23

INSULATION

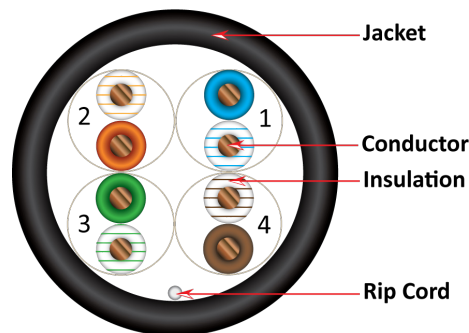
Thickness: FEP 0.009 in. (0.22 mm)

JACKET

Outer Diameter: FR-PVC LSZH (Low Smoke Zero Halogen) 0.21 in. (5.3 mm)
Separator (Divider): No (Splined-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

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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

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Cable ID: 066-10G TEST

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

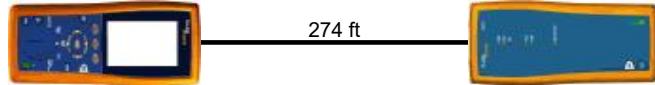
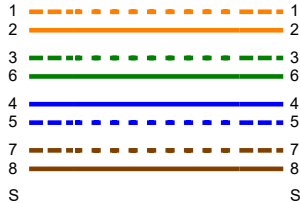
Operator: Your Name
 Software Version: 2.5200
 Limits Version: 1.7000
 NVP: 69.0%

Test Summary: PASS

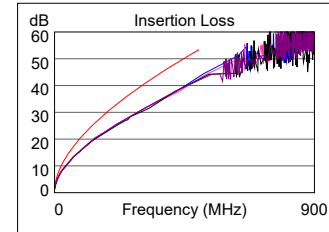
Model: DTX-1800
 Main S/N: 1279007
 Remote S/N: 1279008
 Main Adapter: DTX-CHA002
 Remote Adapter: DTX-CHA002

Wire Map (T568B)

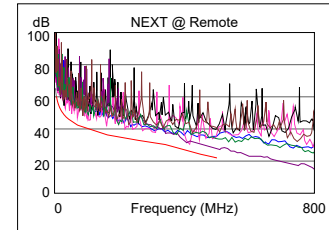
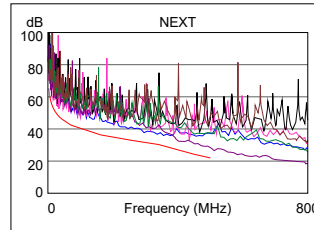
PASS



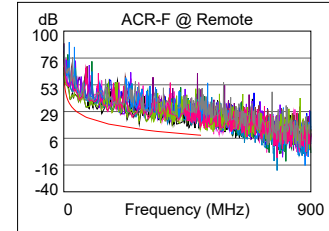
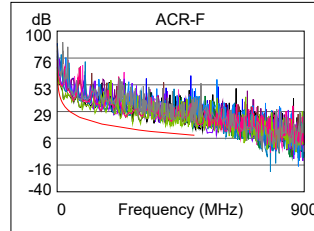
Length (ft)	[Pair 45]	274
Prop. Delay (ns), Limit 555		437
Delay Skew (ns), Limit 50		34
Resistance (ohms)	[Pair 36]	18.0
Insertion Loss Margin (dB)	[Pair 36]	10.6
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	53.4



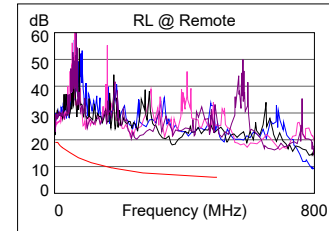
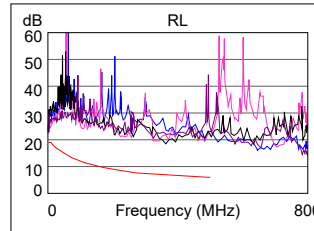
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	36-45
NEXT (dB)	4.6	3.5	6.0	5.5
Freq. (MHz)	29.5	46.5	484.0	493.0
Limit (dB)	48.8	45.5	22.7	22.3
Worst Pair	12	45	36	36
PS NEXT (dB)	5.0	3.9	6.5	5.5
Freq. (MHz)	29.4	402.0	484.0	491.0
Limit (dB)	46.2	24.4	21.0	20.8



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-T
 ATM-51
 TR-4

100BASE-T4
 ATM-25
 100VG-AnyLan
 TR-16 Passive

LinkWare Version 6.1

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