

SKU: ATS2286

CAT6 CMP PLENUM 23AWG ETHERNET CABLE EZ PULL 550MHZ BOX



Description:

23AWG Plenum, Unshielded Four Twisted Pairs, Category 6 Copper Clad Aluminum Cable. Extended testing to 550 MHz

Ratings/Approvals:

CMP Rating Verified to IS 9001, Category 6,

Applications:

Supports all Gigabit Ethernet/1000BASE-T/IEEE 802.3ab, ATM up to 155 Mbps, 100 Mbps Fast Ethernet 100BASE-T/IEEE 802.3, ANSI.X3.263 FDDI TP-PMD, Ethernet 10BASE-T/IEEE 802.3, 4 & 16 Mbps Token Ring/IEEE 802.5, T1/E1, xDSL, ISDN, 550 MHz Broadband Video and standards under development such as ATM at 622 Mbps, 1.2, 2.4 and 4.8 Gbps

CONSTRUCTION

Conductor:

23 AWG CCA

Insulation Material:

HDPE

Number of Conductors or Pairs:

4 Pair

Jacket Material:

Flame Retardant Polyvinyl Chloride

Nominal Overall Cable Diameter:

0.240 in.

Approximate Cable Weight:

23lbs/1,000 ft.

ELECTRICAL & PHYSICAL PROPERTIES

Temperature

Installation: 0°C to 50°C

Rating:

Operation: -2°C to 60°C

Velocity of Propagation:

72%

Mutual Capacitance:

14 pF/ft Nominal

Capacitance Unbalance:

330 pF/ft maximum

Maximum Conductor D.C.R.:

86Ω/1,000 ft

Maximum D.C.R. Unbalance:

3%

Maximum Delay Skew:

18 ns/100m

Characteristic Impedance:

100 ± 15%

From 0.772 MHz - 100 MHz

From 100 MHz - 250 MHz

From 251 MHz - 550 MHz

100 ± 22%

100 ± 32%

1.0 in.

Minimum bend radius:

Insulation Colors:

Blue paired with White/Blue
Orange paired with White/Orange
Green paired with White/Green
Brown paired with White/Brown

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Cable ID: 483-B UTP4 CAT6 0.57ATS

Test Limit: TIA Cat6Perm.Link

Limits Version: V7.6

Date / Time: 12/04/2021 09:08:44 PM

Operator: LIXIAOHONG

Headroom 0.4 dB (NEXT 1,2-3,6)

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Main: Versiv

S/N: 2034142

Software Version: V6.6 Build 2

Calibration Date: 12/23/2020

Adapter: DSX-8000 (DSX-PLA804)

S/N: 20475125

Test Summary: PASS

Remote: Versiv

S/N: 2035009

Software Version: V6.6 Build 2

Calibration Date: 12/23/2020

Adapter: DSX-8000R (DSX-PLA804)

S/N: 20485133

Length (ft), Limit 295	[Pair 7,8]	204
Prop. Delay (ns), Limit 498	[Pair 4,5]	311
Delay Skew (ns), Limit 44	[Pair 4,5]	10
Resistance (ohms)	[Pair 4,5]	23.29
Insertion Loss Margin (dB)	[Pair 4,5]	5.2
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	3.6-7.8	1.2-3.6	1.2-4.5	1.2-3.6
NEXT (dB)	5.9	0.4*	6.1	1.8
Freq. (MHz)	123.0	37.0	209.5	249.0
Limit (dB)	40.4	48.8	36.6	35.4
Worst Pair	3.6	3.6	1.2	3.6
PS NEXT (dB)	6.4	2.3	7.6	3.3
Freq. (MHz)	123.0	37.3	249.0	249.5
Limit (dB)	37.8	46.3	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	1.2-4.5	1.2-4.5	1.2-4.5	1.2-4.5
ACR-F (dB)	8.7	8.3	9.1	8.8
Freq. (MHz)	232.0	162.5	249.0	239.5
Limit (dB)	16.9	20.0	16.3	16.6
Worst Pair	1.2	4.5	4.5	1.2
PS ACR-F (dB)	10.5	10.6	10.9	11.5
Freq. (MHz)	163.0	166.5	232.0	248.5
Limit (dB)	16.9	16.8	13.9	13.3

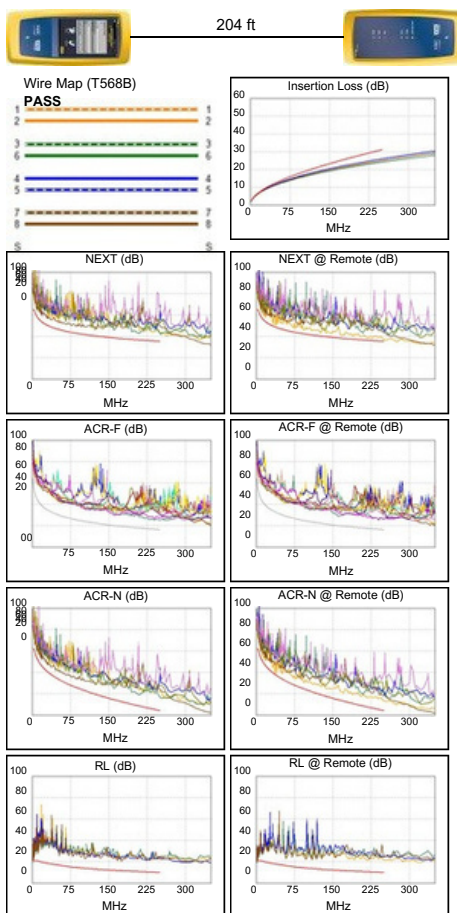
N/A	MAIN	SR	MAIN	SR
Worst Pair	3.6-4.5	1.2-3.6	1.2-4.5	1.2-3.6
ACR-N (dB)	6.7	1.4	12.7	8.9
Freq. (MHz)	45.5	37.0	249.0	249.0
Limit (dB)	35.2	37.9	4.3	4.3
Worst Pair	3.6	3.6	1.2	1.2
PS ACR-N (dB)	6.8	3.3	13.6	9.8
Freq. (MHz)	11.4	37.3	249.0	250.0
Limit (dB)	48.7	35.4	1.7	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	3.6	3.6	7.8	1.2
RL (dB)	5.3	2.7	9.1	11.2
Freq. (MHz)	3.8	3.8	175.0	250.0
Limit (dB)	21.0	21.0	11.6	10.0

Compliant Network Standards:

10BASE-T 100BASE-TX
100BASE-T 25GBASE-T
ATM-25 ATM-51
100VG-AnyLan TR-4
TR-16 Passive

100BASE-T4
5GBASE-T
ATM-155
TR-16 Active



* Measurement is within the accuracy limits of the instrument.

LinkWare™ PC Version 10.7

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