

**SKU: ATS2286**

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



|                           |                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description:</b>       | Description: 23AWG Plenum, Unshielded Four Twisted Pairs, Category 6 Copper Clad Aluminum Cable. Extended testing to 550 MHz                                                                                                                                                                                                                |
| <b>Ratings/Approvals:</b> | CMP Rating Verified to IS 9001, Category 6,                                                                                                                                                                                                                                                                                                 |
| <b>Applications:</b>      | 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

|                                        |                                    |
|----------------------------------------|------------------------------------|
| <b>Conductor: Insulation Material:</b> | 23 AWG CCA                         |
| <b>Number of Conductors or Pairs:</b>  | Hdpe 4 Pair                        |
| <b>Jacket Material: Nominal</b>        | Flame Retardant Polyvinyl Chloride |
| <b>Overall Cable Diameter:</b>         | 0.240 in. 23                       |
| <b>Approximate Cable Weight:</b>       | lbs/1,000 ft.                      |

### ELECTRICAL & PHYSICAL PROPERTIES

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Temperature Rating:</b>       | Installation: 0°C to 50°C<br>Operation: -2°C to 60°C                                                                             |
| <b>Velocity of Propagation:</b>  | 72%                                                                                                                              |
| <b>Mutual Capacitance:</b>       | 14 pF/ft Nominal                                                                                                                 |
| <b>Capacitance Unbalance:</b>    | 330 pF/ft maximum                                                                                                                |
| <b>Maximum Conductor D.C.R.:</b> | 86Ω/1,000 ft                                                                                                                     |
| <b>Maximum D.C.R. Unbalance:</b> | 3%                                                                                                                               |
| <b>Maximum Delay Skew:</b>       | 18 ns/100m                                                                                                                       |
| <b>Characteristic Impedance:</b> | From 0.772 MHz - 100 MHz 100 ± 15%<br>From 100 MHz - 250 MHz 100 ± 22%<br>From 251 MHz - 550 MHz 100 ± 32%                       |
| <b>Minimum bend radius:</b>      | 1.0 in.                                                                                                                          |
| <b>Insulation Colors:</b>        | Blue paired with White/Blue<br>Orange paired with White/Orange<br>Green paired with White/Green<br>Brown paired with White/Brown |

The information provided here in is, to the best of our knowledge, true and accurate. Since conditions of use are beyond our control, all information presented is without guarantee or responsibility on our part. We disclaim all liability in connection with the use of information contained herein or otherwise.

## CAT6-CMP



### Cable ID: 483-B UTP4 CAT6 0.57ATS

**Test Limit: TIA Cat 6 Perm. 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

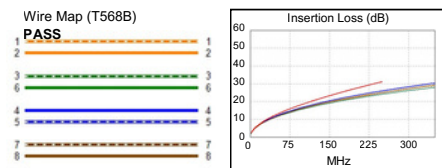
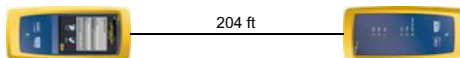
Software Version: V6.6 Build 2

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 |
|---------------------|-------------------|------------------|
| <b>PASS</b>         | MAIN              | SR               |
| Worst Pair          | 3.6-7.8           | 1.2-3.6          |
| <b>NEXT (dB)</b>    | 5.9               | 0.4*             |
| Freq. (MHz)         | 123.0             | 37.0             |
| Limit (dB)          | 40.4              | 37.0             |
| Worst Pair          | 3.6               | 48.8             |
| <b>PS NEXT (dB)</b> | 6.4               | 2.3              |
| Freq. (MHz)         | 123.0             | 37.3             |
| Limit (dB)          | 37.8              | 46.3             |

|                      | Worst Case Margin | Worst Case Value |
|----------------------|-------------------|------------------|
| <b>PASS</b>          | MAIN              | SR               |
| Worst Pair           | 1.2-4.5           | 1.2-4.5          |
| <b>ACR-F (dB)</b>    | 8.7               | 8.3              |
| Freq. (MHz)          | 232.0             | 162.5            |
| Limit (dB)           | 16.9              | 20.0             |
| Worst Pair           | 1.2               | 4.3              |
| <b>PS ACR-F (dB)</b> | 10.5              | 10.6             |
| Freq. (MHz)          | 163.0             | 166.5            |
| Limit (dB)           | 16.9              | 16.8             |

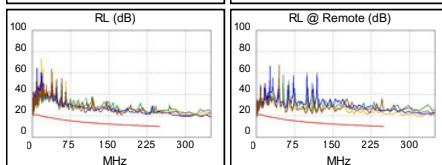
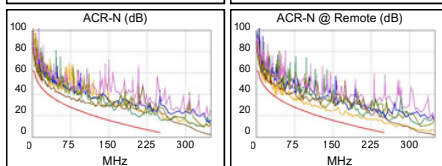
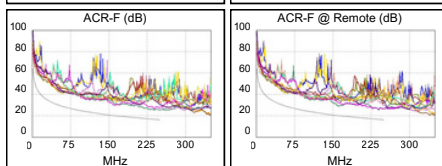
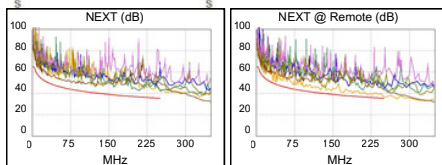
|                      | Worst Case Margin | Worst Case Value |
|----------------------|-------------------|------------------|
| <b>N/A</b>           | MAIN              | SR               |
| Worst Pair           | 3.6-4.5           | 1.2-3.6          |
| <b>ACR-N (dB)</b>    | 6.7               | 1.4              |
| Freq. (MHz)          | 45.5              | 37.0             |
| Limit (dB)           | 35.2              | 37.9             |
| Worst Pair           | 3.6               | 3.6              |
| <b>PS ACR-N (dB)</b> | 6.8               | 3.3              |
| Freq. (MHz)          | 11.4              | 37.3             |
| Limit (dB)           | 48.7              | 35.4             |

|                | Worst Case Margin | Worst Case Value |
|----------------|-------------------|------------------|
| <b>PASS</b>    | MAIN              | SR               |
| Worst Pair     | 3.6               | 3.6              |
| <b>RL (dB)</b> | 5.3               | 2.7              |
| Freq. (MHz)    | 3.8               | 3.8              |
| Limit (dB)     | 21.0              | 21.0             |

Compliant Network Standards:

10BASE-T 100BASE-TX  
100BASE-T 250BASE-T  
ATM-25 ATM-51  
100VG-AnyLan TR-4

100BASE-T4  
50BASE-T  
ATM-155  
TR-16 Active



\* Measurement is within the accuracy limits of the instrument.

LinkWare™ PC Version 10.7

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