



PRODUCT SPECIFICATIONS

CONVERGENT
CONNECTIVITY
TECHNOLOGY

EZ6 Cable



CAT6E-EZP4

Description:

Category 6 Horizontal Cable 23AWG Plenum, unshielded four twisted pairs assembled in a splineless construction. Extended Testing to 550 MHz.

Ratings/Approvals:

NEC Article 800, UL 910: CMP Rating FT6, ETL Electrically Verified to ANSI/TIA/EIA 568C.2 Category 6, C(ETL)US, RoHS Compliant

Applications:

Supports all category 6 applications including Ethernet 1BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth application such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps.

CONSTRUCTION

| | |
|--|--|
| Conductor: | 23 AWG Solid Bare Copper |
| Number of Conductors or Pairs: | 4 Pair |
| Jacket Material: | Low Smoke Flame Retardant Polyvinyl Chloride |
| Nominal Overall Cable Diameter: | 0.200 in. |
| Approximate Cable Weight: | 29 lb/1,000 ft. |

ELECTRICAL & PHYSICAL PROPERTIES

| | |
|----------------------------------|--|
| Temperature Rating: | Installation: 0°C to 50°C 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.: | 28.6Ω/1,000 ft |
| Maximum D.C.R. Unbalance: | 5% |
| Maximum Delay Skew: | 45 ns/100m |
| Characteristic Impedance: | From 0.772 MHz - 100 MHz 100Ω ± 15% From 101 MHz - 250 MHz 100Ω ± 22% From 201 MHz - 550 MHz 100Ω ± 32% |
| Minimum bend radius: | 1.0 in. |
| Insulation Colors: | Blue paired with White/Blue Orange paired with White/Orange Green paired with White/Green Brown paired with White/Brown |

Issue Date: October '10 Revision: 1

THE STRONGEST LINK IN YOUR SUPPLY CHAIN



PHONE: 866-905-6744
FAX: 845-651-3564

Page 1 of 2

PO BOX 454
FLORIDA, NY 10921

techsupport@cctcable.com

The information provided herein 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.



PRODUCT SPECIFICATIONS

CONVERGENT
CONNECTIVITY
TECHNOLOGY

EZ6 Cable

CAT6E-EZP4



ELECTRICAL CHARACTERISTICS

| Frequency | Return Loss | Insertion Loss | NEXT | PS-NEXT | ELFEXT | PS-ELFEXT | ACR | PS-ACR |
|-----------|-------------|----------------|----------|----------|----------|-----------|----------|----------|
| MHz | dB(100M) | dB(100M) | dB(100M) | dB(100M) | dB(100M) | dB(100M) | dB(100M) | dB(100M) |
| | Minimum | Maximum | Minimum | Minimum | Minimum | Minimum | Minimum | Minimum |
| 1 | 20.0 | 2.0 | 80.3 | 78.3 | 73.8 | 70.8 | 78.3 | 76.3 |
| 4 | 23.0 | 3.8 | 71.3 | 69.3 | 61.8 | 58.8 | 67.5 | 65.5 |
| 10 | 25.0 | 6.0 | 65.3 | 63.3 | 53.8 | 50.8 | 59.3 | 57.3 |
| 16 | 25.0 | 7.6 | 62.2 | 60.2 | 49.7 | 46.7 | 54.6 | 52.6 |
| 20 | 25.0 | 8.5 | 60.8 | 58.8 | 47.8 | 44.8 | 52.3 | 50.3 |
| 31.25 | 23.6 | 10.7 | 57.9 | 55.9 | 43.9 | 40.9 | 47.2 | 45.2 |
| 62.5 | 21.5 | 15.4 | 53.4 | 51.4 | 37.9 | 34.9 | 38.0 | 36.0 |
| 100 | 20.1 | 19.8 | 50.3 | 48.3 | 33.8 | 30.8 | 30.5 | 28.5 |
| 200 | 18.0 | 29.0 | 45.8 | 43.8 | 27.8 | 24.8 | 16.8 | 14.9 |
| 250 | 17.3 | 32.8 | 44.3 | 42.3 | 25.8 | 22.8 | 11.5 | 9.5 |
| 300 | 16.8 | 36.4 | 43.1 | 41.1 | 24.3 | 21.3 | --- | --- |
| 350 | 16.3 | 39.8 | 42.1 | 40.1 | 22.9 | 19.9 | --- | --- |
| 400 | 15.9 | 43.0 | 41.3 | 39.3 | 21.8 | 18.8 | --- | --- |
| 500 | 14.8 | 49.5 | 40.2 | 38.2 | 20.0 | 17.0 | --- | --- |
| 550 | 14.4 | 53.1 | 39.5 | 37.5 | 18.9 | 15.9 | --- | --- |

*Values above 250 MHz are for engineering information only

PACKAGING

CAT6E-EZP4_1B 1,000' Easy Pull Box

*Contact your sales specialist for available jacket colors

Issue Date: October '10 Revision: 1

THE STRONGEST LINK IN YOUR SUPPLY CHAIN



PHONE: 866-905-6744
FAX: 845-651-3564

Page 2 of 2

techsupport@cctcable.com

PO BOX 454
FLORIDA, NY 10921

The information provided herein 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.