

Product Data

Part Number CC-CAT7A-4PLSZH
Description CAT7 E10 MHz 4-Pair solid S/FTP, Low Smoke, Zero Halogen Cable Violet Jacket

Construction

S/FTP
 Sequential Measure Marking
 Individually Shielded Pairs with
 Aluminium polyester foil
 Tin copper overall braid

Compliance

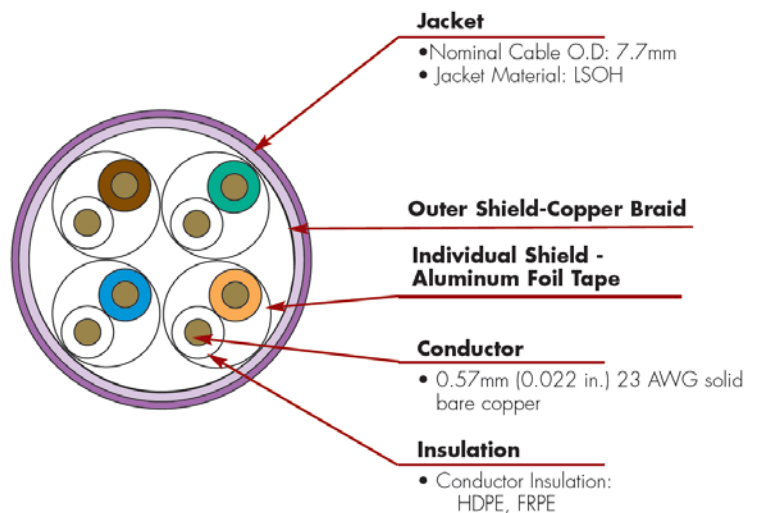
IEC 61156-5 Ed 2.0 (Category 7a)
 ISO/IEC 11801: Ed 2.2
 EN 50288, EN 55022,
 EN 50173, EN55024
 IEEE 802.3an
 LSOH: IEC 60332-1, IEC 60754,
 & IEC 61034

Electrical

| | |
|--------------------------|----------------------------|
| DC Resistance | 7.32 Ohms/100m |
| DC Resistance Unbalanced | ≤ 2% |
| Mutual Capacitance | 5.6nF/100m |
| Capacitance Unbalanced | ≤ 160 pF/100m |
| Impedance | 1-100 MHz : 100 +/- 15% |
| | 100-250 MHz : 100 +/- 22% |
| | 250-1000 MHz; 100 +/- 22 % |
| NPV | 70% |
| LCL | 40-10 x log(f)dB |
| Delay Skew | 20ns/100m |

Mechanical

| | |
|--------------------------|-------------------------|
| Jacket | Low Smoke, Zero Halogen |
| Pulling tension | 110N |
| Bend radius | 8x OD |
| Operating Temperature | -20 to +75 Deg C |
| Installation Temperature | 0 to +60 Deg C |
| Storage Temperature | -20 to +75 Deg C |
| Reel sizes | 305, 500 or 1000 mtrs |



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This is a fully shield cable with individual foils around each pair, coupled with high screen coverage outer braid for a high level of immunity to outside interferences.
 In PoE remote power applications, this cable can be installed in environments up to 60 degrees c without degradation suffered by heat rise inside the cable bundle. This 7A cable can also be used for cable sharing from one drop ideal for running multiple lower speed applications.

Transmission Performance

| Frequency (MHz) | Insertion Loss (dB) | NEXT (dB) | PS NEXT (dB) | ACR (dB) | PSACR (dB) | ACR-F (dB) | PS ACR-F (dB) | Return Loss (dB) | Propagation Delay (ns) |
|-----------------|---------------------|-----------|--------------|----------|------------|------------|---------------|------------------|------------------------|
| 4 | 3. | 105 | 102 | 102 | 99 | 96 | 94 | 34 | 494 |
| 10 | 4.9 | 105 | 102 | 100 | 97 | 96 | 94 | 35 | 487 |
| 16 | 6.3 | 105 | 102 | 99 | 96 | 96 | 94 | 35 | 485 |
| 20 | 7 | 105 | 102 | 98 | 98 | 96 | 94 | 35 | 484 |
| 31.25 | 8.9 | 105 | 102 | 96 | 93 | 93 | 91 | 34 | 482 |
| 62.2 | 12.8 | 105 | 102 | 92 | 89 | 88 | 86 | 32 | 481 |
| 100 | 16.5 | 105 | 102 | 89 | 86 | 82 | 80 | 31 | 480 |
| 200 | 23.5 | 102 | 100 | 79 | 77 | 78 | 75 | 29 | 479 |
| 250 | 28.2 | 102 | 100 | 74 | 72 | 75 | 70 | 28 | 502 |
| 300 | 28.9 | 102 | 97 | 73 | 68 | 70 | 68 | 28 | 478 |
| 350 | 31.5 | 100 | 97 | 68 | 6 | 70 | 63 | 28 | 478 |
| 400 | 33.1 | 95 | 93 | 62 | 60 | 66 | 59 | 28 | 478 |
| 550 | 40.2 | 95 | 93 | 55 | 53 | 60 | 56 | 28 | 478 |
| 600 | 41.7 | 95 | 93 | 53 | 51 | 55 | 53 | 28 | 478 |
| 800 | 47.6 | 90 | 87 | 42 | 39 | 47 | 44 | 28 | 477 |
| 1000 | 54.5 | 85 | 83 | 31 | 29 | 40 | 38 | 27 | 477 |

All performance values are based on 100 metres.

Specifications subject to change without notification.

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