

Description & Application

CAT6-CCA High performance, multi-pair networking cable, consisting of 4 'unshielded' twisted pair, Solid Copper Coated Aluminium conductors, 0.51mm (24AWG) with PVC jacket and 'Spline' separator to prevent cross talk. Used primarily in high speed networking applications, CCTV Video transmission, Voice over I.P and will support Gigabit Ethernet at a frequency range up to 250Mhz for restricted length cable runs.

Very high copper content (c.35%) for a CCA cable, providing enhanced durability and electrical performance characteristics yet affording a considerable cost saving when compared to Bare Copper cable alternatives.

Supplied on 305M (1000ft) Roll housed within an 'easy pull' outer Box.

Specifications

Product Ref: CAT6-CCA

Conductor : Solid CCA (Copper Coated Aluminium) -35% copper.
0.51 mm cores (24AWG).

Cable: 8 wires formed into 4 insulated twisted pairs.

Core Insulation: HDPE High Density Polyethylene

Core Identification:

4 colour coded twisted Pairs: Blue + White/Blue, Orange + White/Orange,
Green + White /Green, Brown + White/Brown

Spline: Central Spline separating each twisted pair to eliminate 'Cross Talk'

Screening/ Shielding: UTP– Unshielded 'unscreened' twisted pairs

Outer Sheathing: - PVC, Polyvinyl Chloride Jacket, Grey (optional LSZH)

DC Loop resistance: <29 Ohms/100m

Resistance unbalance: <5%

Current Capacity: 700mA per core.

Minimum bending radius: 5 x O.D

Jacket Overall Diameter: 6.0mm

Cable marking: Product reference code / metre marked.

Packaging: 305m (1000ft) 'Easy Pull' Box.

Operating temperature: -20°C to +60°C

Weight: 10Kg (including Box)

Conformances:

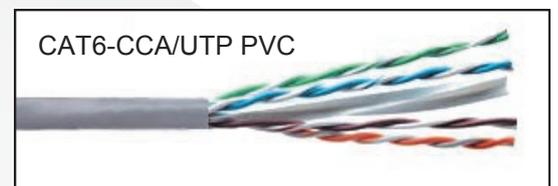
TIA/EIA 568A & 568B wiring format compatible

Will support:

IEEE 802.3 / 1000BASE-T (For restricted length cable runs)

Not recommended for POE applications

RoHS compliant



CAT6-CCA Cross Section

Cross section of CAT6-CCA cable showing 4 x twisted pairs cores and central 'Spline' separator to eliminate potential 'Cross Talk'

