CAT6-CCA-PE

Outdoor High performance Networking / Data Cables

Description & Application

CAT6-CCA-PE High performance, multi-pair networking cable, consisting of 4 'unshielded' twisted pair, Solid Copper Coated Aluminium conductors, 0.51mm (24AWG) with PE weather & corrosion resistant 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

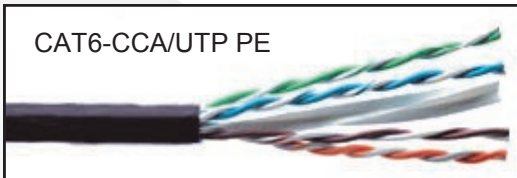
Product Ref: CAT6-CCA-PE

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: - **PE**, Polyethylene Jacket, Black.
(Weather and corrosion resistant)

Stripping Cord: nylon
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: 9Kg (including Box)

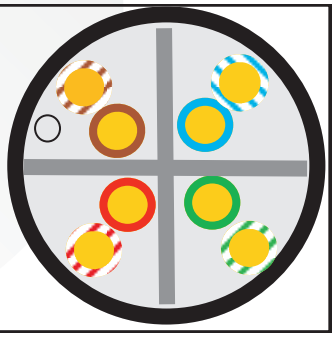
Conformances:
TIA/EIA 568A & 568B wiring format compatible
Will support:
IEEE 802.3 / 10BASE-T/ 100BASE-T/1000BASE-T
(For restricted cable length runs)
RoHS compliant

CAT6-CCA/UTP PE



CAT6-CCA/UTP PE
Cross Section

Cross section showing PE jacket, 4 x twisted pairs cores and central 'Spline' separator to eliminate potential 'Cross Talk'



KORTEX™ CABLES

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