

## Product Description:



**Conductor:** BC

**Conductor size:** 0.57mm, 23AWG

**Twist pairs:** 4~25 pairs

**Insulation:** PE, HDPE

**Insulation color:** 4 pairs color: Blue/white-blue; Green/white-green; Orange/white-orange; Brown/white-brown, color coded according to ANSI/TIA/EIA-568-B color code

**Shield:** each individual pair Aluminum foil screened

**Sheath:** flame retardant PVC Rohs compliant, LSZH compound

**Sheath color:** white, grey, blue or as per request

**Package:** 305 meters per box or as per requirement

**Main product model:** FTP Cat6a, HSYVP6a, HSYYP6a, HSYZP6a

**Product standard:** ISO/IEC11801, IEC61156-2, YD/T1019-2001, ANSI/TIA/EIA-568B, UL444

## Product characteristics:

Here are some interesting facts about CAT6A:

- The "A" in CAT6A means augmented. Also known as Augmented Category 6.
- The standard was ratified as an official IEEE standard in late 2006 (IEEE 802.3an-2006 10GBASE-T)
- CAT6A can run 10GbE up to 100 meters (328 FT)
- CAT6 cable can only run 10GbE up to 55 meters (180 FT)
- CAT6A is backward compatible with 10Base-T, 100Base-T, 1000Base-T (10/100/1000 Fast Ethernet and Gigabit Ethernet)

## Product application:

The cable is designed for Network adapters, servers, high-end workstations, video processing/editing, Virtualization, high-performance cluster computing (HPPC), iSCSI, hubs, switches, routers, DSL/Cable Modems (probably won't see 10 Gigabit DSL :-), but, there could be 10GbE LAN ports in the near future), patch panels and other computer networking applications that support CAT6A and 10 Gigabit Ethernet (10GE, 10GbE, 10 GigE, 10GBASE-T, 10-gigabit Ethernet) .

# Comparison chart

 Edit

## Cat6

## Cat6a

**Speed** 10 Gbps over 33-55 meters (110-165 feet) of cable

10 Gbps over 100 meters (330 feet) of cable

**Frequency** Up to 250 MHz

Up to 500 MHz

**Maximum cable length** 100 meters for slower network speeds (up to 1,000 Mbps) and higher network speeds over short distances. For Gigabit Ethernet, 55 meters max, with 33 meters in high crosstalk conditions.

100 meters across all systems and conditions for Gigabit Ethernet.

**Cost** Varies by length and manufacturer, with \$0.40 - \$0.60 per foot as an average; generally about 20% higher than Cat5e.

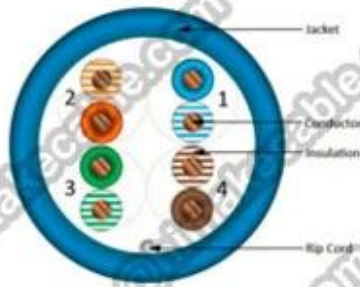
Varies by length and manufacturer, with \$0.55 - \$0.85 per foot as an average; generally about 20-35% higher than Cat6.

**Standard gauges in conductors** 22-24 AWG wire

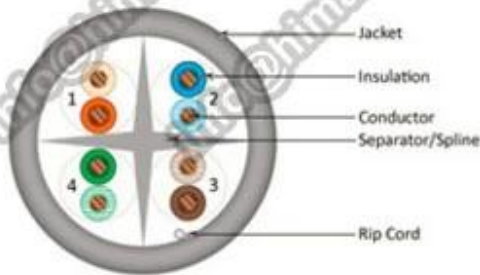
16-20 AWG wire



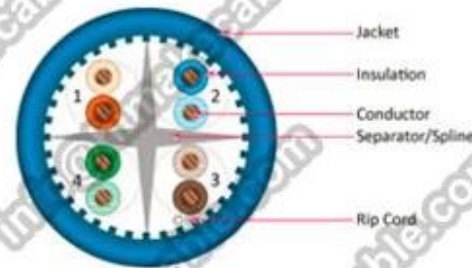
CAT5e UTP Bulk Cable



CAT6 UTP Bulk Cable



CAT6A UTP Bulk Cable



Packaging & Shipping





305m/pull out box



colour pull out box



2boxes in carton



305m/wooden reel



1000ft/wooden reel



305m wooden reel in carton



warehouse



warehouse



shipment