

## CAT.6 24 AWG UTP Cable - 305 Meter - Grey

**Avalon** 24 AWG UTP CAT.6 cables are the best twisted-pair cables in the market for transmitting data over local area Networks (LANs). These cables exceed performance requirements specified by the TIA/EIA-568C.2 and IEC 60603-7-4 standards. CAT6 cables reduce crosstalk and system noise. The superior insulation around the 24 AWG copper wires attribute to the increased performance. They can transmit data at 1000 Mbps (~1 Gigabit per second) with a frequency of 250 MHz and suitable for 10BASE-T, 100BASE-TX Fast Ethernet and 1000BASE-T / 1000BASE-TX (Gigabit Ethernet).

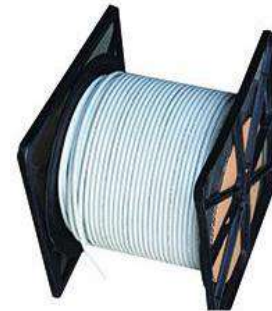
### Specification

- 4 Pairs Unshielded Twisted Pair (UTP) Cable
- Conductor Metal: Solid Bare Copper
- Color Code: Gray
- Conductor Diameter : 0.520mm Nominal, 24 AWG
- Insulation Diameter: 0.940mm Nominal, Insulation Material: HD-PE
- Jacket Material: PVC UL94V-0
- Cable Diameter: 5.7mm
- PE Central Cross separator



### Technical Details

- Mutual Capacitance: 5.6nF/100m nominal
- Characteristic Impedance: 1000±15%
- Nominal Velocity of Propagation: 69%
- Characteristic Impedance: 100+150
- Conductor Resistance: < 9.380/100m
- Mutual Capacitance: < 5.6nF/100m
- Resistance Unbalance: 5% Max
- Capacitance Unbalance: 330pF/100m
- Delay Skew: < 45nS
- Bending Radius: < 4 X Cable Diameter at -20°C ± 1°C
- Pulling Force: 11.5Kg
- Temperature Range: -20° to +70°C



### Approvals/Certifications

- Verified compliant with TIA/EIA-568C.2 standards by ETL
- CUL listed
- RoHs

### Ordering Information

Part No.	Description	Length	Colour
ANC6UPGY24-305MT	CAT.6 24 AWG UTP Cable-305 Meter	305 Meters	Grey