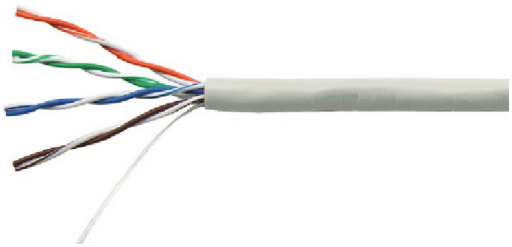
Category 5E U/UTP 4 Pair Cable

Category 5e U/UTP cables exceed Category 5e/Class D specification. It is tested to 100MHz frequency range and designed to support Gigabit 1000Base-T applications to full 100m. Category 5e U/UTP cables are UL listed CM, CMX, CMR & CMP and standard packing will be 305m easy pull out boxes.



Extremely high pair-balance providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation, maximizing noise immunity and providing high alien cross talk performance to U/UTP (Unshielded Twisted Pair) cabling systems.

Complied with or exceeds Standard

- ISO/IEC-11801, 2nd Edition Class D(Category 5E)
- IEC 61156-7:2003
- IEEE 802.af, IEEE 802.3at for PoE applications
- IEC 61156-5:2002 Category 5e
- ANSI/TIA-568-C.2:2009 Category 5e
- LSZH: IEC 60332-1, IEC 60754, IEC 61034

Features & Benefits:

- UL certified
- For broadband and fast ethernet applications
- 4 twisted-pair cable
- 24AWG insulated copper conducts with PVC jacket
- Twisted pairs are brightly coloured and distinguished at a glance
- Ultra smooth jacket easy to pull in tight spaces
- All cables meet or exceed the requirement proposed by TIA /EIA 568 B .2 ,ISO/IEC 11801 Category 5e
- Striped cross frameworks to match corresponding pairs

MATERIAL CONSTRUCTION & DESIGN:

Conductor Material:	Bare Copper
Conductor Size:	0.512 mm (D)norm, 24 AWG
Conductor Construction:	Solid
Insulation Material:	High Density PE
Insulation Diameter:	1.43 mm
Rip Cord:	Yes
Drain Wire:	N/A
Conductor Unit Identification:	Solid/Stripe
Color Code:	Per TIA/EIA 568-B
Total Number of Wires:	8
Outer Jacket:	PVC or LSZH
Outer Jacket Thickness	5.3 mm

Outer Jacket Color:	Per Requirement (The default is grey)
Marking:	Per Requirement

ELECTRICAL, MECHANICAL & TRANSMISSION CHARACTERISTICS

Frequency Range:	1 - 100 MHz
Impedance:	10 Ω+/- 15
Coupling Attenuation:	40 dB min @ 30-100 MHz
Max. DC Resistance :	94 Ω/km@20°C
Max. Resistance Unbalance:	5 %
Capacitance:	5.6nF/100m max.
Capacitance Unbalance:	3.3 pF/m max.
Velocity of Propagation:	69%
Propagation Delay Skew:	25ns/10m max.
Dielectric Strength:	1KV/minute
Min. Insulation Resistance :	5 GΩ•km
Max. Tensile Strength - Short Term:	110 N
Min. Bend Radius:	42 mm
Max. Operating Temperature:	+70 °C
Min. Operating Temperature:	–20 °C

ELECTRICAL PERFORMANCE CHARACTERISTICS

Cat. 5e Un-screened Pair Horizontal Cables*						
Frequency (MHz)	Attenuation(dB/100m@ 20°C)	NEXT (dB)	PS NEXT (dB)	Return Loss (dB)	ELFEXT (dB)	PSELFEXT (dB)
1.0	2.0	71.3	70.3	23.0	77.8	72.8
4.0	3.9	62.3	63.0	28.0	65.8	60.8
10.0	6.2	56.3	55.9	28.0	57.8	52.8
16.0	7.9	53.2	52.0	28.0	53.7	48.7
20.0	8.8	51.8	50.2	28.0	51.8	46.8
31.25	11.1	48.9	46.2	26.0	47.9	42.9
62.5	16.0	44.4	39.4	26.0	41.9	36.9
100.0	20.7	41.3	34.2	26.0	37.8	32.8
*Supplied cables meet minimum Cat. 5e transmission requirements of IEC 61156-5 Ed. 2 and ANSI/EIA/TIA 568-B.2						

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	LENGTH
C5e1-X	Category 5e U/UTP 4 Pair cable PVC	305 m
C5e2-X	Category 5e U/UTP 4 Pair cable LSZH	305 m

X: BK(Black), BL(Blue), GN(Green), GY(Gray), RD(Red), WH(White), YL(Yellow)

PACKING INFORMATION

Cable Length (Meter)	Packing Mode	N.W (kg)	G.W (kg)	Dimension (cm)
305	Pulley Box	8.7	9.2	34.0 x 34.0 x 20.0
1000	Ply Reel	28.5	34.0	47.0 x 47.0 x 23.0