



CAT6 UTP 4 PAIR PE CABLE

Technical Information



Features: A four pair unshielded twisted pair (UTP) cable. Compliant with the latest specifications

- ◆ Easy pull box prevents snagging
- ◆ Low memory
- ◆ Metre marked from 305m to 000m
- ◆ Cat6 ISO11801 Class E or EN50173 Class E
- ◆ 24AWG solid conductors
- ◆ PE sheath
- ◆ Boxed 305m reel
- ◆ 25 yearUltima System Warranty compliant

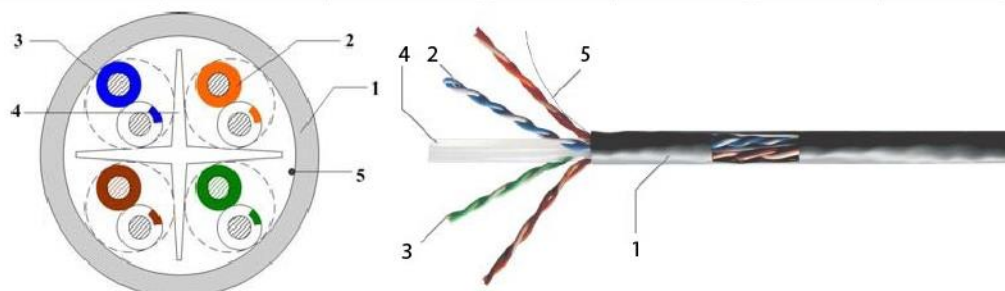
Physical Characteristics

Construction	Pairs	AWG	Conductor Dimension	Conductor Material
U/UTP	4 Pair	24 AWG	0.535 +/- 0.02mm	Solid bare copper
Insulation material	Outer jacket material	Insulation Dimension	Nom. Outer jacket thickness	Overall Diameter
HDPE	PE	0.97+/- 0.05mm	0.5mm	5.9 +/- 0.3mm
Operating Temperature	Bulk cable weight	Min. Bend Radius	Max. pulling tension	Jacket tensile strength
-20 °C ~ +75°C	39.0Kg/km	23.6mm	110N	>= 9.7Mpa

Electrical Characteristics

Nom. mutual capacitance	Max. capacitance unbalance	Nominal velocity of propagation	Max. delay skew
<=5.6 nF/100m (@1KHz)	<=330 pF/100m	65%	45 ns/100m
Max. conductor DC resistance	Min. insulation resistance	Max. conductor resistance unbalance	Max. operating voltage - UL
93.8 Ω/km (@ 20 °C)	5000 MΩ.km	<=5% (@ 20 °C)	300 V

Frequency (MHz)	Upper characteristic impedance Z _u (Ω)	Lower characteristic impedance Z _l (Ω)	RL (dB)	ATT (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	PD (ns/100m)
1	122.2	81.8	20.0	2.0	74.3	72.3	67.8	64.8	570.0
4	115.2	86.8	23.0	3.8	65.3	63.3	55.8	52.8	552.0
8	112.6	88.8	24.5	5.3	60.8	58.8	49.7	46.7	547.0
10	111.9	89.4	25.0	6.0	59.3	57.3	47.8	44.8	545.0
16	111.9	89.4	25.0	7.6	56.2	54.2	43.7	40.7	543.0
20	111.9	89.4	25.0	8.5	54.8	52.8	41.8	38.8	542.0
25	112.9	88.5	24.3	9.5	53.3	51.3	39.8	36.8	541.0
31.25	114.1	87.7	23.6	10.7	51.9	49.9	37.9	34.9	540.0
62.5	118.3	84.5	21.5	15.4	47.4	45.4	31.9	28.9	539.0
100	121.9	82.0	20.1	19.8	44.3	42.3	27.8	24.8	538.0
200	128.8	77.6	18.0	29.0	39.8	37.8	21.8	19.8	537.0
250	131.5	76.0	17.3	32.8	38.3	36.3	19.8	16.8	536.0



- 1 Outer Jacket
- 2 Insulation
- 3 Conductor
- 4 Filler
- 5 Rip cord

Item	Description	Category	Type	NVP Rating	Sheath	Length	Colour
779619	Solid	Cat6	UTP	65%	PE	305Mtr	Black

