

UTPCAT6BCMULTIFILAR

DESCRIPTION

UTP CAT6 4 Pair 305 Meters Indoor
Stranded 24AWG Bare Copper

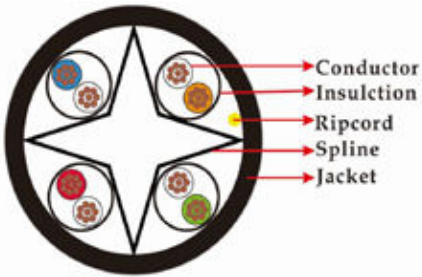
FEATURES

- High-Performance Data Cable
- CAT6 Unshielded Twisted Pairs
- Easily Identified Color-Striped Pairs
- PVC Jacket
- Exceeds TIA/EIA-568C, ISO/IEC 11801

APPLICATION

High Speed Horizontal Cabling
100 Mbps TPDDI , 1000 Base T , 622 Mbps ATM
IEEE802.3/IEEE802.5 , 10 Base-T , 100 Base-T4
1000 Base-X , 100 Base-VG , Gigabit Ethernet

STRUCTURE



SPECIFICATION

Technical Data

Rated Temperature	70 °C
Rated Voltage	30V
Reference Standard	EIA/TIA 568 & ISO/IEC 11801

Conductor

Material	Stranded Bare Copper
AWG	Bare Copper 100%
Conductor Diameter	24AWG
	4×2×7/0.2mm±0.01

Insulation

AVG. Thickness	HDPE
Insulation Diameter	0.21 ± 0.01 mm
	0.98 ± 0.01mm

Separator

High twisted & Ripcord PP Yes

Jacket

AVG. Thickness	PVC
Outer Diameter	0.58 mm
Color	6.2mm± 0.1mm
Marking	Black
	Available

Color of Pairs

Pair 1	Blue	White-Blue
Pair 2	Orange	White-Orange
Pair 3	Green	White-Green
Pair 4	Brown	White-Brown

PERFORMANCE

Mechanical Properties

Net Weight	12.5KG For 305 Meter
Gross Weight	13.5 KG For 1 Roll
Bending Radius	≥ 4xOD(without load)
Temperature range	during operation : -40°C ~ 75°C
Reference Standard	during installation : 0°C ~ 60°C
Casung Tension	1.4 Kgf/mm 2 Min
Casung elongation	100% Min
PVC Tensile Strength(Mpa)	≥13.8

Electrical Properties

DC resistance	Max 9.2 Ω / 100 m at 20 °C
Insulation Resistance	5000mΩ/km
1.0 - 100 MHz Impedance	100 ± 15 (Ohms)
100 - 250 MHz Impedance	100 ± 15 (Ohms)
250 - 550 MHz Impedance	100 ± 35 (Ohms)
1.0 - 250 MHz Delay Skew	≤ 45
Pair-to-ground Cap. Unbalance	≤ 330
Resistance Unbalance	≤ 5%

Frequency (MHZ)	Attenuation (dB/100m)	Pr-Pr Next (dB)	PS Next (dB)	Return Loss (dB)	PS Elfext (dB/100m)
10	7.1	59.3	57.3	25	44.8
1	2.4	74.3	72.3	20	64.8
20	10.2	54.8	52.8	25	38.8
31.5	12.8	51.9	49.9	23.3	34.9
62.5	18.5	47.4	45.4	20.7	28.9
100	23.8	44.3	42.3	19	24.8
200	34.8	39.8	37.8	16.4	18.8
250	39.4	38.3	36.3	15.6	16.8