

LPSUTPCAT5EXT

DESCRIPTION

UTP CAT5E 4 Pair 25 AWG 305Meters
Outdoor Jacket UV Rated Waterproof

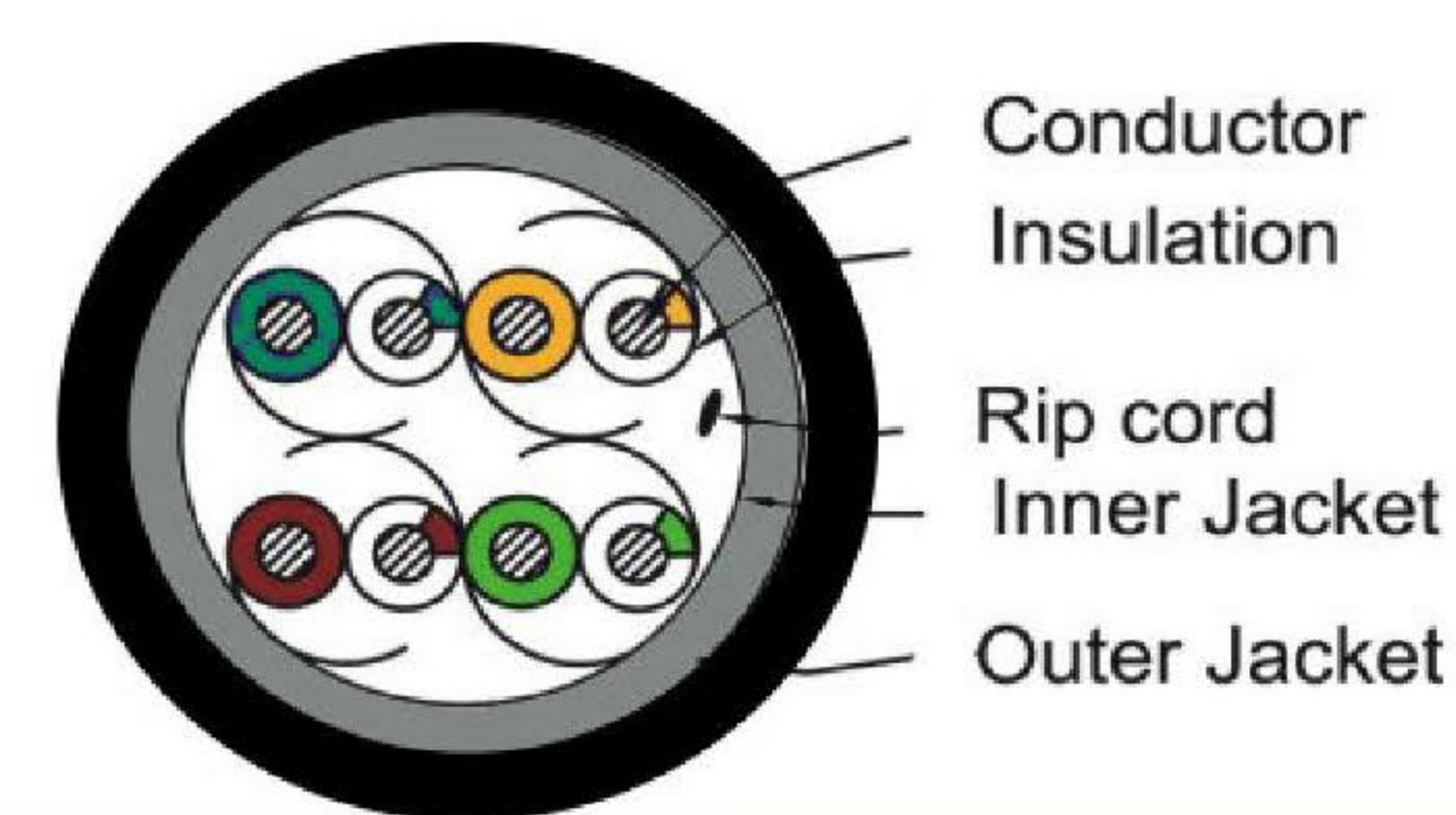
FEATURES

- High-Performance Data Cable
- CAT5E Unshielded Twisted Pairs
- Outdoor Jacket UV Rated Waterproof
- 25AWG CCA Conductors
- TIA/EIA-568B.2, ISO/IEC 11801

APPLICATION

IEEE 802.3: 1000Base-T; 100Base-T; 10Base-T
IEEE 802.5: 4/6 Mbps Token Ring
Structure Cabling ,155Mbps ATM , ISDN
Gigabit Ethernet

STRUCTURE



SPECIFICATION

Technical Data
DC resistance: Max 28Ω / 100 m
Rated Voltage: 30V
Reference Standard: EIA/TIA 568 & ISO/IEC 11801

Conductor
Material: Copper Cald Aluminum
AWG: 25 AWG
Conductor Diameter: 4X2X1/0.45mm±0.01

Insulation
Material: HDPE
AVG. Thickness: PE
0.21 ± 0.01 mm
Insulation Diameter: 0.88 ± 0.01mm

High twisted & Ripcord
Inner Jacket
Outer Jacket
AVG. Thickness: Yes
Outer Diameter: PVC
Color: LDPE UV Resistance
Marking: 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: 7.8KG For 305Meter
Gross Weight: 8.5KG For 1 Drum
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

Electrical Properties
DC resistance: Max 28Ω / 100 m at 20 °C
Insulation Resistance: 5000mΩ/km
Resistance unbalance: Max 5 % at 20 °C
Mutual capacitance: Max 5.6 nf / 100 m at 1kHz
Cap. unbalance to ground: Max 330 pf / 100 m at 1kHz
Characteristics impedance: (100±15) Ω at 1 ~ 100 Mhz
Nominal velocity of propagation: 67%
Propagation delay: ≤ 535 ns / 100 m
Delay skew: ≤ 45ns / 100 m

Frequency (MHZ)	Attenuation (dB/100m)	RL d(B)	Next (dB)	PS Next (db/100m)
1	2	20	65.3	63.5
4	4.1	23	56.3	54.3
8	5.8	24.5	52.4	50.5
10	6.6	25	51.3	49.2
16	8.2	25	49.3	47.4
20	9.3	25	48.8	46.9
25	10.4	24	45.3	43.4
31.25	11.7	23	43	41.8
62.5	17	21	39.2	37.2
100	22	20	36.3	34.4