

UTP Cat3



Description

Multi-pair, Cat 3, UTP cable. 100 Ohm impedance. Data transmission frequency of up to 16 MHz. Multi-pair Cat5 cable is also available.

Technical data

- Temperature range(°C): -40 to 70
- Characteristic impedance: 100± 15 Ohm
- Maximum resistance unbalance: 5%
- Bending radius (min.): 8 x cable diameter
- Maximum capacitance unbalance: 330 pF/100 meters
- Maximum delay skew: 45 ns/100 meters
- Flame retardancy: CMP, CMR, CMG, CM
- UL file number is E334179

Standards and performances

- ISO/IEC 11801 2nd ed.
- EN 50173-1
- EIA/TIA 568B.2

Construction	25 Pairs	50 Pairs	100 Pairs
Conductor	AWG 24 SBC	AWG 24 SBC	AWG 24 SBC
Jacket (dia.mm)	PVC/LSZH 12.6	PVC/LSZH 15.9	PVC/LSZH 22.5
Number of conductors	50	100	200
Stranding	25P	50P	100P

Transmission specifications

TIA/EIA-568-C.2 Category 3 Compliant

Frequency (MHz)	Insertion Loss (dB/100m)	Next Loss (dB/100m)	ACR (dB/100m)	Structural Return Loss (dB/100m)
1	2.6	41.3	38.7	12.0
4	5.6	32.3	26.7	12.0
8	8.5	27.8	19.3	12.0
10	9.7	26.3	16.6	12.0
16	13.1	23.2	10.1	10.0