UTP CAT 5E 4 PARES DE COBRE MULTIFILAR

KT0253

Application and Standard Industry

10 Base-T (IEEE 802.3), 4/16 Mbps Token Ring (IEEE 802.5), 100 Base-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5), TIA/EIA-568-B.2, ISO.IEC 11801 Class D
IEC61156-5, IEC60332-1, EN50288, EN50173-1

Construction	
Center conductor	7x0.2mm Stranded Bare Copper
Number of Conductor	8 (4 Pairs)
Insulation	0.90 ± 0.01mm HDPE
Average Thickness	0.20 ± 0.03 mm
Rip Cord	Yes
Outer jacket	5.3±0.1mm UL-CM White PVC
Insulation colors	Blue, White/Blue Orange, White/Orange Green, White/Green Brown, White/Brown

Electrical Characteristics at 20 °C	
Impedance	100 ± 15 Ω
DC resistance (max)	8.9Ω / 100m at 20° C
Mutual capacitance (max)	5.6pF/100M at 1 kHz
Delay Skew	45
Voltage	300 Volts AC or DC

Mechanical Characteristics at 20°C	
Propagation Delay (max)	540 ns@10 MHz
Min. Bending Radius	4 x outside diameter of jacket
Operating Temperature	-20 C° to 60°C

Performance Characteristics

Frequency	Attenuation (Max.)	NEXT (Min.)	PS-NEXT	ELFEXT	PS-ELFEXT	Return Loss
1 MHz	1.9 dB/100m	66 dB	63 dB	64 dB	61 dB	20 dB
10 MHz	6.3 dB/100m	51 dB	48 dB	47 dB	44 dB	23 dB
16 MHz	8.0 dB/100m	48 dB	45 dB	44 dB	41 dB	25 dB
20 MHz	9.9 dB/100m	46 dB	43 dB	42 dB	39 dB	25 dB
40 MHz	12.8 dB/100m	44 dB	41 dB	34 dB	31 dB	23 dB
60 MHz	16.0 dB/100m	42 dB	39 dB	28 dB	25 dB	22 dB
100 MHz	21.0 dB/100m	36 dB	33 dB	25 dB	22 dB	21 dB

* PVC - Polyvinylchlorid * AWG - American Wire Gauge *AL/PE - Aluminium/Polyethylene