

Application & Industry Standard:

Telephony Voice Wiring, 10 Base-T, 100 Base-T4, UL Subject 444, EIA/TIA568 & ISO/IEC 11801
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	4 Pairs 23 AWG Bare Copper
Dielectric	0.99mm/ 0.39" nom dia, 0.217mm/ 0.0085" thickness
Filler	Polyethylene Cross
Outer jacket	6.0±0.1mm UV-PE Blue, White/Blue
Insulation colors	Orange, White/Orange Green, White/Green Brown, White/Brown

Electrical Characteristics at 20 °C

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

Mechanical Characteristics at 20 °C

Propagation Delay(max)	540 ns@10MHZ
Min. Bending radius	4×outside diameter of Jacket
Operating Temperature	-20 °C to 60°C

Performance Characteristics (Exceed TIA/EIA-568-B.2-1 Cat 6)

Frequency	Attenuation (Max.)	NEXT (Min.)	PS-NEXT	ELFEXT	PS-ELFEXT	Return Loss
1MHz	1.9 dB/100m	72 dB	69 dB	68 dB	65 dB	20 dB
10MHz	5.9 dB/100m	65 dB	62 dB	53 dB	50 dB	23 dB
16MHz	7.5 dB/100m	61 dB	58 dB	48 dB	45 dB	26 dB
25MHz	9.3 dB/100m	55 dB	52 dB	45 dB	42 dB	25 dB
40MHz	12.1 dB/100m	53 dB	50 dB	42 dB	39 dB	23 dB
60MHz	14.8 dB/100m	52 dB	49 dB	35 dB	32 dB	22 dB
100MHz	19.3 dB/100m	50 dB	47 dB	31 dB	28 dB	22 dB
150MHz	23.6 dB/100m	43 dB	40 dB	28 dB	25 dB	19 dB
200MHz	27.5 dB/100m	40 dB	37 dB	24 dB	21 dB	18 dB
250MHz	30.6 dB/100m	38 dB	35 dB	21 dB	18 dB	18 dB

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

Order Informations:

Marking	KINGTONE KT0264 UTP CAT6 OUTDOOR XXX M/FT
Package	305M/1000FT Pull Box/Pallet (or Per customer's request)
Delivery time	Normally 15 days after received the deposit.