
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	4x2x0.5mm Solid Bare Copper
Dielectric	0.91mm PE
Outer jacket	5.2mm 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℃
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℃

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

Order Informations:

Marking	KINGTONE KT0255 UTP CAT5E OUTDOOR XXX M/FT
Package	305M/1000FT Pull Box/Pallet (or Per customer's request)
Delivery time	Normally 15 days after received the deposit.
