

LAN CABLE

CAT. 5e U/UTP (UTP)

Product	CAT5E U/UTP	
Description	U/UTP CAT5E 4×2×24AWG CU	
Standard	EIA/TIA568B、ISO/IEC11801、YD/T1019	
Application	ISDN、10Base-T、1000Base-T4、100Base-TX	
Marking	UTP CAT.5E 4P 24AWG EIA/TIA568B ISO/IEC11801 ***M	

Construction

Conductor	Solid Bare Copper	Insulation Colors	Blue-White/Blue	Twisting Lay Length	≤23mm
Conductor Dia.	0.51mm		Orange-White/Orange	Jacket	PVC
Insulation	HDPE		Green-White/Green	Jacket Dia.	5.1±0.1mm
Insulation Dia.	0.89mm		Brown-White/Brown	Jacket Color	Grey
Polyester	None	Shield	None	Jacket Thickness	0.55±0.1mm
Drain wire	None	Coverage	0%	Packing	pool box
Remarks	outdoor use w/polyster, flood, PE sheath or double Jacket, or others, available upon request				

Electrical Characteristics

Frequency (MHz)	ATT (≤dB/100m)	NEXT (≥dB)	ELFEXT (≥dB)	RL (≥dB)	PS NEXT (≥dB)
1	2.0	65.3	63.8	20.0	62.3
4	4.1	56.3	51.7	23.0	53.3
8	5.8	51.8	45.7	24.5	48.8
10	6.5	50.3	43.8	25.0	47.3
16	8.2	47.3	39.7	25.0	44.3
20	9.3	45.8	37.7	25.0	42.8
25	10.4	44.3	35.8	24.3	41.3
31.25	11.7	42.9	33.9	23.6	39.9
62.5	17.0	38.4	27.8	21.5	35.4
100	22.0	35.3	23.8	20.1	32.3
Impedance (1to100MHz)	100±15 Ohm	Conductor DC Resistance 20°C	≤94(ohms/km)	Prop. Delay	≤555ns
Capacitance 1kHz	56pF/km	Resistance Unbalance	≤3%	Delay shew	≤45ns
Capacitance unbalance	100pF/100m	Insulation Resistance	5000MΩ.KM	NVP	69%



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