

UTP CAT5E

Description	UTP CAT5E 4P 24AWG 305m/Box	
Standard	EIA/TIA568A、ISO/IEC11801	
Application	ISDN、10Base-T、1000Base-T4、100Base-TX	
Cable Marking	Kabel sieciowy UTP kat. 5e 001 m(001m---305m)	

Construction

Conductor	Solid Bare Copper	Insulation colors	Blue,White/Blue	Rip Cord	yes
Conductor Dia.	0.48mm		Orange,White/Orange	Jacket	PVC
Insulation	HDPE		Green,White/Green	Jacket Colors	gray
Insulation Dia.	0.87mm		Brown,White/Brown	Jacket Out Dia.	5.0mm
Twisting Lay Length	≤23mm			Average Thickness	0.53±0.05mm

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		≤101(ohms/km)
Capacitance 1kHz		56pF/km	Resistance Unbalance		≤3%
Capacitance unbalance		100pF/100m	Insulation Resistance		5000MΩ.KM