



Composite Cable

2xCAT5e UTP + 2xRG6

Technical Datasheet

Applications

Home Entertainment, Home Structured Cabling, Residential Voice, Video & Data Cabling.

Physical Characteristics	Certifications
RG6 Diameter Nominal: 7.45mm	ISO9001, ISO14001, OHSAS 18001
CAT5e Diameter Nominal: 5.05mm	UL listed Type: CMR (UL 1666), CM(UL 1681)
Color Code:	UL444 No.E230635, ETL No. 4001207
RG6: 1.Black 2. White	CE/RoHS/REACH Compliant
CAT5e: 1.Blue 2. Grey	CPR EN50575 Eca
Filler: No	Electrical Characteristics
Wrap: Pet tape	CAT5e UTP Impedance: 100±15 Ohms
Rip Cord: 3*0.9mm Nylon cord	CAT5e UTP Capacitance: ≤5.6 nF/100m
Outer Jacket: FR-PVC	CAT5e UTP Resistance Unbalance: ≤5%
Nominal Overall Cable Diameter: 16.2mm	CAT5e UTP NVP: 69%
Minimum Bend Radius: 25mm	CAT5e UTP Delay Skew: ≤45 nS/100m
Maximum Pulling Force (lbs):	RG6 Impedance: 75±3 Ohms
Temperature Rating (°C):	RG6 Capacitance: 16.5 pF/ft
Installation: 0 to + 60	RG6 Velocity of Propagation: 81%
Storage & Operation: -20 to + 75	RG6 Max. DC Resistance: 105 Ohms/m @ +20°C

Zhejiang Tianjie Industrial Corporation

T: +86 (0)571 2365 6065 F: +86 (0)571 2365 6098

W: www.tianjiecorp.com www.tian-jie.com



RG6 Technical Performance(@100ft)

Frequency (MHz)	Attenuation ≤dB	SRL ≥dB
5	0.65	20
55	1.80	20
211	3.46	20
270	3.90	20
300	4.11	20
330	4.31	20
400	4.74	20
450	5.02	20
550	5.54	20
750	6.46	20
870	6.95	20
1000	7.44	20
1450	8.93	15
1750	9.80	15
2250	11.09	15

CAT5e UTP Technical Performance(@100m)

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	Phrase DELAY≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.0	65.3	570.00	62.3	63.8	60.8
4.0	23.0	4.1	56.3	552.00	53.3	51.8	48.8
8.0	24.5	5.8	51.8	546.73	48.8	45.7	42.7
10.0	25.0	6.5	50.3	545.38	47.3	43.8	40.8
16.0	25.0	8.2	47.2	543.00	44.4	39.7	36.7
20.0	25.0	9.3	45.8	542.05	42.8	37.8	34.8
25.0	24.3	10.4	44.3	541.20	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	32.3	23.8	20.8