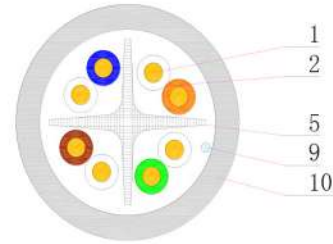
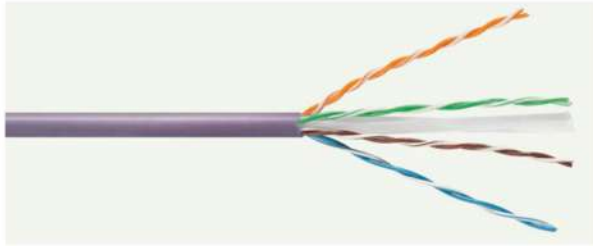


Cat.6 UTP 0.54 PVC



Standard

- | | |
|------------------|---|
| ISO/IEC 11801 | <input type="checkbox"/> 100Base-T4 |
| IEC 61156-5 | <input type="checkbox"/> 100Base-TX |
| YD/T 1019 | <input type="checkbox"/> 100VG-AnyLAN |
| EN 50173 | <input type="checkbox"/> 1000Base-T |
| ANSI/TIA/EIA-568 | <input type="checkbox"/> 1000Base-TX |
| UL 444 | <input type="checkbox"/> 155Mbps ATM |
| EN 50575 | <input type="checkbox"/> 622Mbps ATM |
| EN 13501-6 | <input type="checkbox"/> 10 Gb Ethernet |

Cable Structure

- | | |
|-------------------|--------------------|
| 1. Conductor | OFC (0.54mm±0.005) |
| 2. Insulation | PE |
| 3. Twisted Pair | ID 1.02 |
| 4. Pair Screen | Lay length ≤20mm |
| 5. Separate | PE |
| 6. Mylar tape | NO |
| 7. Drain Wire | NO |
| 8. Overall Screen | NO |
| 9. Rip Cord | Dacron 500D |
| 10. Jacket | PVC 6.2±0.2 |

Net weight: 12.79kg/305m

Electrical Properties

Resistance	≤ 9.5 Ω/100m
Unbalance Resistance of pair	≤ 2%
Unbalance Resistance of pairs	≤ 4%
Dielectric of Conductors	1.0kV · 1min DC
Dielectric conductor to Ground	/
Insulation Resistance	≥ 5000 MΩ · km
Mutual Capacitance of a Pair	/
Pair to Ground Unbalance Capacitance	/

Physical Properties

material		no aging		aged			
		elonga- tion	tensile strength	Elongation & rate of change		tensile strength & rate of change	
		(%)	(Mpa)	(%)	(%)	(Mpa)	(%)
insulation	PP	≥300	≥20	/	/	/	/
	HDPE	≥300	≥16	/	/	/	/
	MDPE	≥300	≥12	/	/	/	/
	SFS-PE	≥200	≥10	/	/	/	/
	FEP	≥200	≥16	/	/	/	/
jacket	LSZH	≥125	≥10	≥100	-30~+30	≥8.0	-30~+30
	PVC	≥150	≥13.5	≥125	-20~+20	≥12.5	-20~+20
	FEP	≥250	≥20	≥200	-20~+20	≥16.0	-20~+20

Transmission Performance

Frequency (MHz)	Transfer Impedance ≅ mΩ / m	Coupling Attenuation ≅ dB	delay ≅ dB/100m	Skew ≅ ns/100m	Attenuation ≅ dB/100m	TCL ≅ dB	EL TCL ≅ dB	NEXT ≅ dB	PS NEXT ≅ dB	EL FEXT ≅ dB/100m	PS ELFEXT ≅ dB/100m	PS ANEX ≅ dB	PS AACR-F ≅ dB	Impedance (Ω)		RL ≅ dB
														Max.	Min.	
1	/	/	/	/	/	50	35.0	/	/	/	/	/	/	/	/	/
4	/	/	552	45	3.8	44	23.0	66.3	63.3	56.0	53.0	/	/	115	85	23.0
8	/	/	547	45	5.3	41	16.9	61.8	58.8	49.9	46.9	/	/	115	85	24.5
10	/	/	545	45	6.0	40	15.0	60.3	57.3	48.0	45.0	/	/	115	85	25.0
16	/	/	543	45	7.6	38	10.9	57.2	54.2	43.9	40.9	/	/	115	85	25.0
20	/	/	542	45	8.5	37	9.0	55.8	52.8	42.0	39.0	/	/	115	85	25.0
25	/	/	541	45	9.5	36	7.0	54.3	51.3	40.0	37.0	/	/	115	85	24.3
30	/	/	541	45	10.4	35.2	5.5	53.1	50.1	38.5	35.5	/	/	115	85	23.8
31.25	/	/	540	45	10.7	35.1	/	52.9	49.9	38.1	35.1	/	/	115	85	23.6
62.5	/	/	539	45	15.4	32	/	48.4	45.4	32.1	29.1	/	/	115	85	21.5
100	/	/	538	45	19.8	30	/	45.3	42.3	28.0	25.0	/	/	115	85	20.1
200	/	/	537	45	29.0	27	/	40.8	37.8	22.0	19.0	/	/	115	85	18
250	/	/	536	45	32.8	26	/	39.3	36.3	20.0	17.0	/	/	115	85	17.3
300	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
400	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
500	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/