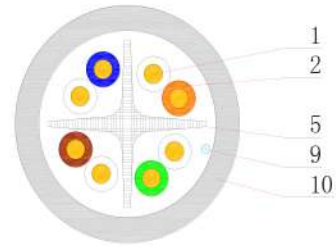
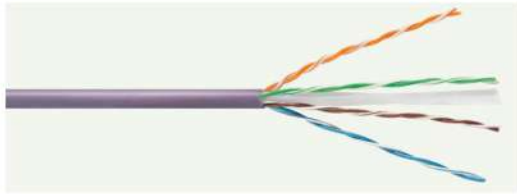


Cat.6 UTP 6.5mmOD



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 |

Electrical Properties

- | | |
|---|------------------------------|
| Resistance | $\leq 9.5 \Omega/100m$ |
| Unbalance Resistance of pair | $\leq 2\%$ |
| Unbalance Resistance of pairs | $\leq 4\%$ |
| Dielectric of Conductors | 1.0kV · 1min DC |
| Dielectric conductor to Ground Insulation | / |
| Resistance | $\geq 5000 M\Omega \cdot km$ |
| Mutual Capacitance of a Pair | / |
| Pair to Ground Unbalance Capacitance | / |

Cable Structure

- | | |
|-------------------|------------------------|
| 1. Conductor | OFC 23AWG |
| 2. Insulation | HDPE ID 1.02±0.03 |
| 3. Twisted Pair | Lay length $\leq 20mm$ |
| 4. Pair Screen | NO |
| 5. Separate | PE |
| 6. Mylar tape | NO |
| 7. Drain Wire | NO |
| 8. Overall Screen | NO |
| 9. Rip Cord | Dacron 500D |
| 10. Jacket | PVC/LSZH 6.5±0.3mm |

Net weight: 17.95kg/305m

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 $\leq m\Omega/m$	Coupling Attenua- tion $\geq dB$	delay $\leq dB/100m$	Skew $\leq ns/100m$	Attenua- tion $\leq dB/100m$	TCL $\geq dB$	EL TCL $\geq dB$	NEXT $\geq dB$	PS NEXT $\geq dB$	EL FEXT $\geq dB/100m$	PS ELFEXT $\geq dB/100m$	PS ANEX $\geq dB$	PS AACR-F $\geq dB$	Impedance (Ω)		RL $\geq dB$
														Max.	Min.	
1	/	/	/	/	/	50	35.0	/	/	/	/	67	67	/	/	/
4	/	/	552	45	3.8	44	23.0	66.3	63.3	56.0	53.0	67	66.2	115	87	23.0
8	/	/	547	45	5.3	41	16.9	61.8	58.8	49.9	46.9	67	60.1	113	89	24.5
10	/	/	545	45	5.9	40	15.0	60.3	57.3	48.0	45.0	67	58.2	112	89	25.0
16	/	/	543	45	7.5	38	10.9	57.2	54.2	43.9	40.9	67	54.1	112	89	25.0
20	/	/	542	45	8.4	37	9.0	55.8	52.8	42.0	39.0	67	52.2	112	89	25.0
25	/	/	541	45	9.4	36	7.0	54.3	51.3	40.0	37.0	67	50.2	113	89	24.3
30	/	/	541	45	10.3	35.2	5.5	53.1	50.1	38.5	35.5	67	48.7	114	88	23.8
31.25	/	/	540	45	10.5	35.1	/	52.9	49.9	38.1	35.1	67	48.3	114	88	23.6
62.5	/	/	539	45	15.0	32	/	48.4	45.4	32.1	29.1	65.6	42.3	118	84	21.5
100	/	/	538	45	19.1	30	/	45.3	42.3	28.0	25.0	62.5	38.2	122	82	20.1
200	/	/	537	45	27.6	27	/	40.8	37.8	22.0	19.0	58	32.2	129	78	18.0
250	/	/	536	45	31.1	26	/	39.3	36.3	20.0	17.0	56.5	30.2	132	76	17.3
300	/	/	536	45	34.3	/	/	38.1	35.1	18.5	15.5	55.3	28.7	132	76	17.3
400	/	/	536	45	40.1	/	/	36.3	33.3	16.0	13.0	53.5	26.2	132	76	17.3
500	/	/	536	45	45.3	/	/	34.8	31.8	14.0	11.0	52	24.2	132	76	17.3