

Category 6 UTP LSZH Cable

Construction

Conductor : 23 AWG Solid Copper
Nominal Conductor Dia. : 0.575 mm

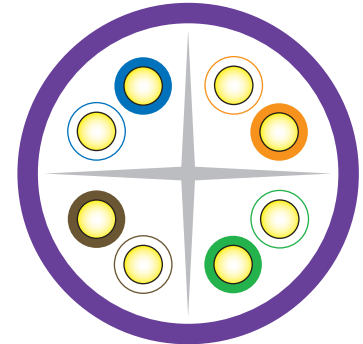
Insulation Type : HDPE
Average Thickness : 0.25 mm
Typical Tolerance (+/-) : 0.05 mm

Outer Sheath : LSZH
Average Thickness : 0.5 mm
Typical Tolerance (+/-) : 0.05 mm

Overall Thickness : 6.3 mm
Typical Tolerance : 0.25 mm

Electrical Performance Data

Conductor Resistance : 93.8Ω /km 20°C Max.
Mutual Capacitance : 5.6 nF/100m Max.
Resistance Unbalance : 5% Max.
Capacitance Unbalance : 330 pF/100m Max.
Impedance : F<=200:100 +/- 15Ω, F>200:100 +/- 22Ω
Nominal Velocity of Propagation (NVP) : 66%



Insulation

Pair 1 : Blue, White & Blue
Pair 2 : Orange, White & Orange
Pair 3 : Green, White & Green
Pair 4 : Brown, White & Brown

Application

High Speed Horizontal Cabling
100MBps TPDDI
1000 Base T
622Mbps ATM
IEEE802.3/IEEE802.5
Digital Video

Frequency (Mhz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)
0.772	19.4	1.8	76.0	74.2	74.0	70.0	67.0	575.0
1	20.0	2.0	74.3	72.3	72.3	67.8	64.8	570.0
4	23.0	3.8	65.3	61.5	63.3	55.7	52.7	552.0
8	24.5	5.3	60.8	55.4	58.8	49.7	46.7	546.7
10	25.0	6.0	59.3	53.3	57.3	47.8	44.8	545.4
16	25.0	7.7	56.3	48.6	54.3	43.7	40.7	543.0
20	25.0	8.6	54.8	46.2	52.8	41.7	38.7	542.0
25	24.3	9.6	53.3	43.7	51.3	39.8	36.8	541.2
31.25	23.6	10.8	51.9	41.1	49.9	37.9	34.9	540.4
62.5	21.5	15.7	47.4	31.7	45.4	31.8	28.8	538.6
100	20.1	20.2	44.3	24.1	42.3	27.8	24.8	537.6
200	18.0	29.8	39.8	10.0	37.8	21.7	18.7	536.5
250	17.3	33.8	38.3	4.6	36.3	19.8	16.8	536.3