

Category 5e UTP PVC, LSZH & PE Cable

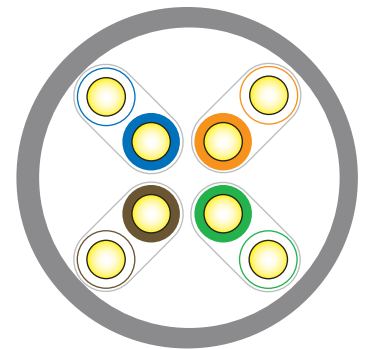
Type		No. of Pairs	Conductor	Insulation Thickness		Outer Diameter		Jacket	Insulation
				mm	Inch	mm	Inch		
Horizontal Cable	CM	4	24AWG (0.49 mm)	0.18	0.0071	4.8	0.193	PVC	HDPE
Horizontal Cable	CM	4	24AWG (0.49 mm)	0.18	0.0071	4.8	0.193	LSOH	HDPE
Horizontal Cable	CM	4	24AWG (0.49 mm)	0.18	0.0071	4.8	0.193	PE	HDPE

Insulation

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

Applications

- 100MBps TPDDI
- Gigabit Ethernet
- 622Mbps ATM



Electrical Performance Data

- Conductor Resistance : 93.8 Ω /km 20°C Max.
- Resistance Unbalance : 5% Max.
- Capacitance Unbalance : 330 pF/100m Max.
- Impedance : 1.0 Mhz ~ 100 Mhz +/- 15 Ω
- Impedance Delay Skew : 1.0 Mhz ~ 100 Mhz \leq 45ns/100m
- Nominal Velocity of Propagation (NVP) : 65%

Frequency (MHz)	Attenuation Max. dB/100m	Pr-Pr NEXT Min. dB \geq 100m	Power Sum NEXT Min.dB dB \geq 100m	ACR Min . dB	Pr-Pr FEXT Min . dB \geq 100m	Power Sum ELFEXT Min.dB dB/100m
.772	1.8	67.0	64.0	65.2	66.0	63.0
1	2.0	65.3	62.3	63.3	63.8	60.8
4	4.1	56.3	53.3	52.2	51.7	48.7
8	5.8	51.8	48.8	46.0	45.7	42.7
10	6.5	50.3	47.3	43.8	43.8	40.8
16	8.2	47.3	44.3	39.1	39.7	36.7
20	9.3	45.8	42.8	36.5	37.7	34.7
25	10.4	44.3	41.3	33.9	35.8	32.8
31.25	11.7	42.9	39.9	31.2	33.9	30.9
62.5	17.0	38.4	35.4	21.4	27.8	24.8
100	22.0	35.3	32.3	13.3	23.8	20.8