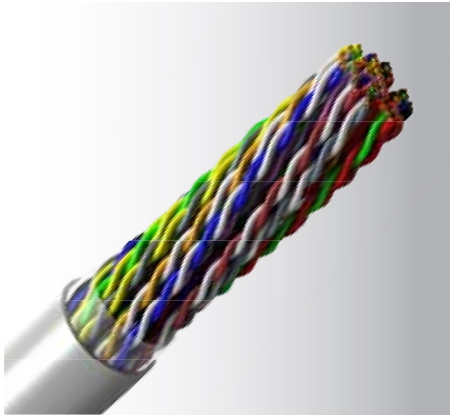


## Category 5e UTP Multi-Pair

CU/HDPE/PS TAPE/PVC or  
CU/HDPE/PS TAPE/LSZH or  
CU/HDPE/PS TAPE/HDPE



Application :	<ul style="list-style-type: none"> <li>• High Speed Horizontal Cabling (100 MHz)</li> <li>• 10 / 100 Base-T</li> <li>• 100 Mbps Fast Ethernet; 155 Mbps ATM</li> </ul>
Construction :	Solid bare copper, HDPE insulated, P/S Tape, PVC (ROHS), LSZH or HPDE outersheath
Insulation colour :	According to standard
Sheath colour :	Grey or Blue (PVC ROHS), Orange (LSZH), Black (HDPE) or as per order
Specifications :	ANSI / EIA / TIA - 568C.2; ISO / IEC 11801; UL 444
Flame Test :	UL 1581 Sec. 1080 (CMX); UL 1685 (CM); UL 1666 (CMR)
LSZH Test :	IEC 60754, IEC 61034

Conductor	Pair	Nominal Outer Diameter	Standard Length	Approx. Weight	Packaging
		(mm)	(m)	(kg/305m)	
Solid Bare Copper (24 AWG)	25	13.3	1000	170	Wooden Reel
	50	19.8	500	360	
	100	26.5	300	645	

### Electrical Properties @ 20°C

Conductor Resistance	≤ 9.38 Ω / 100m
Resistance Unbalance	≤ 5%
Mutual Capacitance	≤ 5.6nF / 100m
Capacitance Unbalance	≤ 330pF / 100m
Characteristics Impedance	100 ± 15 Ω

### Electrical Data @ 20°C

Frequency	ATTENUATION Max	NEXT Min	ACR Min	PSACR Min	ELFEXT Min	PSELFEXT Min	RL Min	DELAY Max	SKEW Max
(MHz)	(dB/100m)	(dB)	(dB)	(dB)	(dB/100m)	(dB/100m)	(dB)	(ns/100m)	(ns/100m)
1	3.0	60.0	57.0	54.0	57.4	54.4	17.0	555	50
4	4.5	53.5	49.1	46.1	45.4	42.4	17.0		
8	6.3	48.6	42.3	39.3	39.3	36.3	17.0		
10	7.1	47.0	39.9	36.9	37.4	34.4	17.0		
16	9.1	43.6	34.5	31.5	33.3	30.3	17.0		
20	10.2	42.0	31.8	28.8	31.4	28.4	17.0		
25	11.4	40.3	28.9	25.9	29.4	26.4	16.0		
31.25	12.9	38.7	25.9	22.9	27.5	24.5	15.1		
62.5	18.6	33.6	15.0	12.0	21.5	18.5	12.0		
100	24.0	30.1	6.1	3.1	17.4	14.4	10.0		