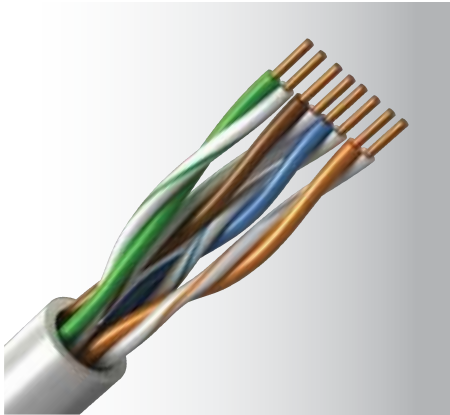


## Category 5e UTP 4 Pair

CU/HDPE/PVC or  
CU/HDPE/LSZH or  
CU/HDPE/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, PVC (ROHS), LSZH or HDPE outersheath
Insulation colour :	<ul style="list-style-type: none"> <li>• Blue &amp; White/ Blue</li> <li>• Orange &amp; White/ Orange</li> <li>• Green &amp; White/ Green</li> <li>• Brown &amp; White/Brown</li> </ul>
Sheath colour :	Grey or Blue (PVC ROHS), Orange (LSZH), Black (HDPE) or as per order
Specification :	ANSI / EIA / TIA - 568C.2; ISO / IEC 11801; UL 444
Flame Test :	UL 1581 (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)	4	5.1	305	9	Reel in Box

### 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	PSNEXT Min	ELFEXT Min	PSELFEXT Min	RL Min	DELAY Max	SKEW Max
(MHz)	(dB/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)	(dB)	(ns/100m)	(ns/100m)
0.772	1.8	67.0	64.0	66.0	63.0	-	-	-
1	2.0	65.3	62.3	63.8	60.8	20.0	570	45
4	4.1	56.3	53.3	51.7	48.7	23.0	-	-
8	5.8	51.8	48.8	45.7	42.7	24.5	-	-
10	6.5	50.3	47.3	43.8	40.8	25.0	545	45
16	8.2	47.3	44.3	39.7	36.7	25.0	-	-
20	9.3	45.8	42.8	37.7	34.7	25.0	-	-
25	10.4	44.3	41.3	35.8	32.8	24.3	-	-
31.25	11.7	42.9	39.9	33.9	30.9	23.6	-	-
62.5	17.0	38.4	35.4	27.8	24.8	21.5	-	-
100	22.0	35.3	32.3	23.8	20.8	20.3	538	45