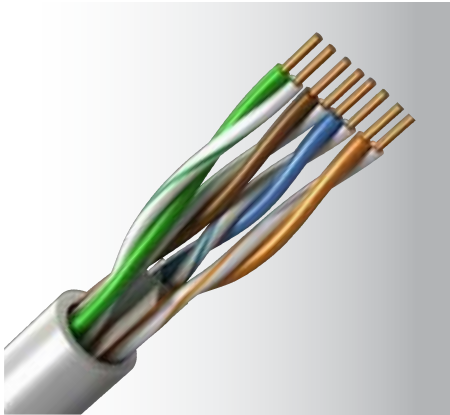


Category 6 UTP 4 Pair

CU/HDPE/PVC or
CU/HDPE/LSZH or
CU/HDPE/HDPE



Application :	<ul style="list-style-type: none"> • High Speed Horizontal Cabling (250 MHz) • 10 / 100 /1000 Base-T • 100 Mbps Fast Ethernet; 155 / 622 Mbps ATM; Gigabit Ethernet
Construction :	Solid bare copper, HDPE insulated, cross-web filler, PVC (ROHS), LSZH or HDPE outersheath
Insulation colour :	<ul style="list-style-type: none"> • Blue & White/ Blue • Orange & White/ Orange • Green & White/ Green • Brown & White/Brown
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
FlameTest :	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	6.2	305	12	Reel in Box
Solid Bare Copper (23 AWG)		6.3		12.2	

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	76.0	74.0	70.0	67.0	-	-	-
1	2.0	74.3	72.3	67.8	64.8	20.0	570	45
4	3.8	65.3	63.3	55.8	52.8	23.0	-	-
8	5.3	60.8	58.8	49.7	46.7	24.5	-	-
10	6.0	59.3	57.3	47.8	44.8	25.0	545	45
16	7.6	56.2	54.2	43.7	40.7	25.0	-	-
20	8.5	54.8	52.8	41.8	38.8	25.0	-	-
25	9.5	53.3	51.3	39.8	36.8	24.3	-	-
31.25	10.7	51.9	49.9	37.9	34.9	23.6	-	-
62.5	15.4	47.4	45.4	31.9	28.9	21.5	-	-
100	19.8	44.3	42.3	27.8	24.8	20.1	-	-
200	29.0	39.8	37.8	21.8	18.8	18.0	-	-
250	32.8	38.3	36.3	19.8	16.8	17.3	536	45