

## Enhanced Category 5 UTP Low Smoke Zero Halogen Cable

100 Ohm, 4 Pair Unshielded Twisted Pairs Data Cable (UL Verified to TIA/EIA 568B/C & ISO/IEC 11801)



### PRODUCT CODE

UTP CAT5e-LSOH

### CONSTRUCTION

Conductor	24AWG Plain Copper Conductor
Core Insulation	Data Grade Polythene
Core Identification	2 Colours are stated on a core this denotes Bi-coloured Insulation
Twisted Construction	Insulated cores twisted into pairs, 4 pairs laid-up to form a compact and circular cable
Outer Sheath	Low smoke and Halogen free material (DW8523) IEC 60332-1, IEC 60332-3-24, IEC 61034-2, IEC 60754-1, IEC 60754-2

### DIMENSIONS

	Conductor	Core	Nom. O.D.
Diameter in mm	0.51	0.91	5.1

### ELECTRICAL DATA

	Impedance	Capacitance	D.C. Resistance	Capacitance Unbalance	Resistance Unbalance
Characteristics	85-115 ohm	< 56 nF/km	< 93.8 ohm/km	< 1600 pF/km	< 2 %

### ATTENUATIONS

		Nominal Attenuation (max)	Worst Pair NEXT (min)	PSNEXT (min)	Worst Pair ELFEXT (min)	PSELFEXT (min)	Return Loss (min)
at 0.772 MHz	dB/100m	1.8	67.0	64.0	66.0	63.0	
at 1 MHz	dB/100m	2.0	65.3	62.3	63.8	60.8	20.0
at 4 MHz	dB/100m	4.1	56.3	53.3	51.7	48.7	23.0
at 8 MHz	dB/100m	5.8	51.8	48.8	45.7	42.7	24.5
at 10 MHz	dB/100m	6.5	50.3	47.3	43.8	40.8	25.0
at 16 MHz	dB/100m	8.2	47.3	44.3	39.7	36.7	25.0
at 20 MHz	dB/100m	9.3	45.8	42.8	37.7	34.7	25.0
at 25 MHz	dB/100m	10.4	44.3	41.3	35.8	32.8	24.3
at 31.25 MHz	dB/100m	11.7	42.9	39.9	33.9	30.9	23.6
at 62.50 MHz	dB/100m	17.0	38.4	35.4	27.8	24.9	21.5
at 100 MHz	dB/100m	22.0	35.3	32.3	23.8	20.8	20.1
at 155 MHz	dB/100m	28.1	32.5	29.5	19.9	16.9	15.8
at 200 MHz	dB/100m	32.4	30.8	27.8	17.7	14.7	15.0