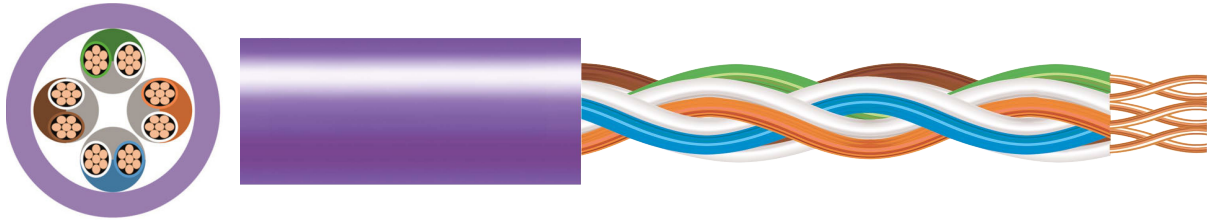


## CAT 5E STRANDED UTP/LSZH CABLE



A 4 pair high performance cable that consists of twisted pair conductors, used mainly for data transmission. Category 5E supports a frequency range of up to 100MHz and is designed for transmission speeds of up to 1 gigabit per second (Gigabit Ethernet)

<b>CONDUCTOR</b>	Plain Copper
<b>STRANDING</b>	Class 2
<b>INSULATION</b>	PE
<b>OUTERSHEATH</b>	LSZH
<b>OUTERSHEATH COLOUR</b>	Violet
<b>SHIELD</b>	UTP
<b>CORE IDENTIFICATION</b>	Pair 1: Blue, White/Blue Pair 2: Orange, White/Orange Pair 3: Green, White/Green Pair 4: Brown, White/Brown
<b>MINIMUM BENDING RADIUS</b>	Overall Bending Radius 8x
<b>OPERATING TEMPERATURE</b>	60°C
<b>STANDARDS</b>	EN50288-1, EN50288-3-2: patch cord cable, EN50173 ISO/IEC 11801

# SPECIFICATION DATA

## ELECTRICAL CHARACTERISTICS

Impedance (1-100MHz) ohms	Maximum Resistance of Conductor at 20°C ohms/km	Maximum Resistance Unbalance %
100±15	95	5

## PERFORMANCE CHARACTERISTICS

Frequency MHz	Attenuation dB/100m	Next dB	Ps-Next dB	RL dB	Elfext dB	Ps-Elfext dB/100m	Phase Delay
1	2	65.3	62.3	20	63.8	60.8	570
4	4.1	56.3	53.3	23	51.8	48.8	552
8	5.8	51.8	48.8	24.5	45.7	42.7	546.73
10	6.5	50.3	47.3	25	43.8	40.8	545.38
16	8.2	47.2	44.4	25	39.7	36.7	543
20	9.3	45.8	42.8	25	37.8	34.8	542.05
25	10.4	44.3	41.3	24.3	35.8	32.8	541.2
31.25	11.7	42.9	39.9	23.6	33.9	30.9	540.44
62.5	17	38.4	35.4	21.5	27.9	24.9	538.55
100	22	35.3	32.3	20.1	23.8	20.8	537.6

## DIMENSIONS

BATT Part No	No. of Pairs (24 AWG)	Nominal Diameter over insulation mm	Nominal overall Diameter	Weight
77086	4	1	5.8	14

The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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