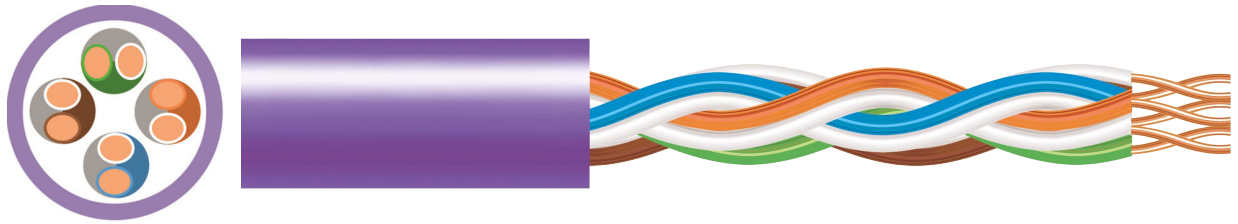


CAT 6 UTP/LSZH CABLE



Multi-pair cable for efficient data transmission. Category 6 is recommended for all fresh installations, boasting a broad frequency range of up to 250MHz and engineered to support transmission speeds of up to 1 gigabit per second (Gigabit Ethernet). Available in PVC or LSZH (for enhanced safety in case of fire)

CONDUCTOR	Plain Copper
STRANDING	Class 1
INSULATION	PE
OUTERSHEATH	LSZH
OUTERSHEATH COLOUR	Black, White, Violet, Red
SHIELD	UTP
CORE IDENTIFICATION	Pair 1: Blue, White/Blue Pair 2: Orange, White/Orange Pair 3: Green, White/Green Pair 4: Brown, White/Brown
MINIMUM BENDING RADIUS	Overall Bending Radius 4x
OPERATING TEMPERATURE	60°C
STANDARDS	ISO / IEC 11801, TIA 568C.2 Flame Retardant according to BS EN/IEC 60332-1-2

SPECIFICATION DATA

ELECTRICAL CHARACTERISTICS

Impedance (1.0-250MHz) 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/100	PS-Elfext db/100m	Phase Delay
1	2.03	74.3	72.3	20	67.8	64.8	570
4	3.78	65.3	63.3	23	55.8	52.8	552
8	5.32	60.8	58.8	24.5	49.7	46.7	546.73
10	5.95	59.3	57.3	25	47.8	44.8	545.38
16	7.55	56.2	54.2	25	43.7	40.7	543
20	8.47	54.8	52.8	25	41.8	38.8	542.05
25	9.51	53.3	41.3	24.3	39.8	36.8	541.2
31.25	10.67	51.9	49.9	23.6	37.9	34.9	540.44
62.5	15.38	47.7	45.4	21.5	31.9	28.9	538.55
100	19.8	44.3	42.3	20.1	27.8	24.8	537.6
200	28.98	39.8	37.8	18	21.8	18.8	536.54
250	32.85	38.3	36.3	17.3	19.8	16.8	536.27

DIMENSIONS

BATT Part No	No. of Pairs	AWG	Nominal Diamete Over Insulation mm	Approx overall diameter mm	Weight kg/305m box
54268	4	23		6.2	42

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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