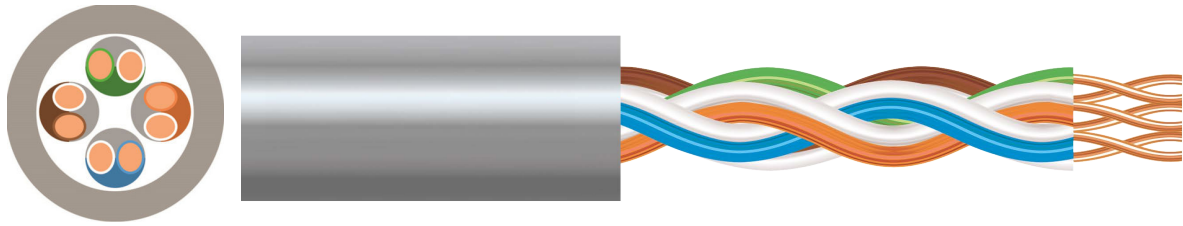


CAT 5E UTP/PVC CABLE



This is a high-performance 4-pair cable featuring twisted pair conductors primarily used for data transmission. Category 5E is engineered to support a frequency range of up to 100MHz, enabling transmission speeds of up to 1 gigabit per second (Gigabit Ethernet).

CONDUCTOR	Plain Copper
STRANDING	Class 1
INSULATION	PE
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	White, Blue, Grey, Red, Yellow, Green
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	70°C
STANDARDS	ISO / IEC 11801, TIA 568C.2 Flame Retardant according to BS EN/IEC 60332-1-2

SPECIFICATION DATA

ELECTRICAL CHARACTERISTICS

Impedance (1-100MHz) ohms	Maximum Resistance of conductores at 20°C ohms/km	Maximum Resistance unbalance %
100+15	110	5

CHARACTERISTICS

Frequency MHz	Attenuation dB/100m	Next dB	Ps-Next dB	RL dB	Elfext dB	Ps-ElfextdB/100m	Phase delay ns
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 cross sectional area of conductor	Nominal Diameter over insulation	Approx overall diameter	Weight
54247	4			5	33

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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