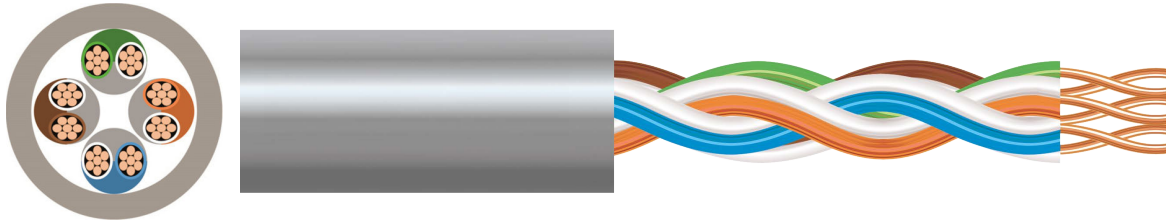


CAT 5E STRANDED UTP/PVC CABLE



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).

CONDUCTOR	Plain Copper
STRANDING	Class 2
INSULATION	PE
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	Blue, Grey, Violet, Orange, 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 conductor at 20°C ohms/km	Maximum resistance unbalance %
100±15	110	5

PERFORMANCE CHARACTERISTICS

Frequency MHz	Attenuation dB/100m	Next dB	Ps-Next dB	RL dB	Elfect dB	Ps-Elfect dB/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	54.44
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	Approx overall diameter mm	Weight kg/305m box
77063	4		5	24

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.

sales@battcables.com | www.batt.co.uk | 01322 441165

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