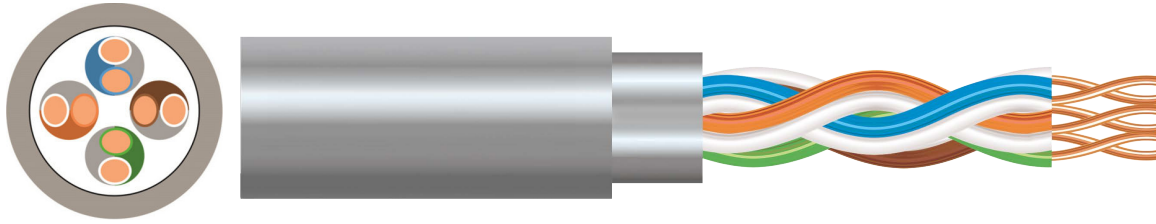


## CAT 5E FTP/PVC CABLE



This is a high-performance shielded 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).

<b>CONDUCTOR</b>	Plain Copper
<b>STRANDING</b>	Class 1
<b>INSULATION</b>	PE
<b>OUTERSHEATH</b>	PVC
<b>OUTERSHEATH COLOUR</b>	Grey
<b>SHIELD</b>	FTP
<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 4x
<b>OPERATING TEMPERATURE</b>	70°C
<b>STANDARDS</b>	IEC 11801, TIA 568C.2 Flame Retardant according to BS EN/IEC 60332-1-2

# SPECIFICATION DATA

## ELECTICAL CHARACTERISTICS

Impedance (1-100MHz) ohms	Maximum Resistance of Conductor at 20°C ohms/km	Maximum Resistance Unbalance %
100±15	6.2	14

## 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	Approx overall diameter	Weight
77016	4		6	41

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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