

4 Pair UTP Category 5E Data Cable

Manufactured in accordance with EIA/TIA568A-5 and ISO11801 to Category 5E

BATT Part Numbers		
54217	305m Box	PVC, grey
54180	305m Box	LSZH, violet

Physical Properties

Conductor	0.5mm (24AWG) Nominal, Solid annealed copper
Insulation	Solid Polyethylene
Construction	4 twisted pairs, laid up with an overall sheath
Sheath	PVC (Grey) or LSZH (Violet)
Nominal O/D	5.0mm (PVC & LSZH)
Cable Weight	Nom. 10 Kg/305m
Bend Radius	Min. 20mm
Pulling Tension	Max. 110N (11.3 Kgf)
Temp Rating	-20 degrees C to +75 degrees C
Flame Test	IEC 60332-1 / UL 1581 VW-1

Electrical Performance

Frequency MHz	Attenuation dB/100m	NEXT dB	ACR dB/100m	PSACR dB/100m	PSNEXT dB	ELFEXT dB/100m	PSELFEXT dB/100m	RL dB
1	2.0	65.3	63.3	60.3	62.3	63.8	60.8	19.0
4	4.1	56.3	52.2	49.2	53.3	51.7	48.7	20.8
10	6.5	50.3	43.8	40.8	47.3	43.8	40.8	22.0
16	8.2	47.3	39.0	36.0	44.3	39.7	36.7	22.0
20	9.3	45.8	36.5	33.5	42.8	37.7	34.7	22.0
25	10.4	44.3	33.9	30.9	41.3	35.8	32.8	21.3
31.25	11.7	42.9	31.2	28.2	39.9	33.9	30.9	20.6
62.5	17.0	38.4	21.4	18.4	35.4	27.8	24.8	18.5
100	22.0	35.3	13.3	10.3	32.3	23.8	20.8	17.1

Electrical Properties

Velocity of Propagation	70%
Propagation Delay	537.6ns/100m (Max) @ 100MHz
Propagation Delay Skew	45.0ns/100m (Max)
Characteristic Impedance	100Ω +/- 15

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