



Cable Construction (4 pair CAT6 23 AWG SOLID)

Type	Conductor Diameter mm	Core Diameter mm	Shielding	Nominal Outer Diameter mm
UTP	0.57	1.03	---	6.5
Sheathing	PVC / FRNC / LSZH / LSF or According to Customer Request			

Electrical Characteristics CAT6 23 AWG

Frequency MHz	Impedance Ω	RL dB	Attenuation dB / 100 m	Next Worst Pair dB	Next Power Sum dB	ELFEXT Worst Pair dB	ELFEXT Power Sum dB	Nominal Velocity Propagation
0.772	100 $\pm$ 15	20	1.6	76	74	70	67	0.65
1		21.2	2.1	74.3	72.3	67.8	64.8	
4		23	4	65.3	63.3	55.8	52.8	
8		24.5	5.3	60.8	58.8	49.7	46.7	
10		25	6	59.3	57.3	47.8	44.8	
16		25	7.6	56.2	54.2	43.7	40.7	
20		25	8.5	54.8	52.8	41.8	38.8	
25		24.3	9.5	53.3	51.3	39.8	36.8	
31.25		24.3	10.7	51.9	49.9	37.9	34.9	
62.5		21.5	15.4	47.4	45.4	31.9	28.9	
100		20.1	19.8	44.3	42.3	27.8	24.8	
200		18	29	39.8	37.8	21.8	18.8	
250		17.3	32.8	38.3	36.3	19.8	16.8	

Part Number Table

Description	Part Number
Cable, CAT6, 305 m	CAT6305M

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