



- Cat6 Patch Cord Conductor: 28 AWG

- Standard:

ISO/IEC 11801:2011(Ed. 2.2), ANSI/TIA- 568-C.2

- Applications :

Data communications, Local area networks,
Building signaling systems

- ISO9001Certified Manufacturing Plant

Length: 8M

Model: PC6_M_8



Standard

Standard	ISO/IEC 11801, ANSI/TIA- 568-C2 ISO9001Certified Manufacturing Plant
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General

Conductor	Material	Stranded-Bare Copper
	Nom. O.D. (mm)	28AWG (7/0.12)
Insulation	Material	HDPE
	Diameter	0.58±0.05 mm
Sheath	Thickness	0.55±0.05 mm

Update Date: May 26, 2025

Specification subject to change without notice

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	External O.D.(Avg.)	3.8±0.3mm
	Surface	Clean, Frap, Satiation
	Material	PVC (complies RoHS)
Sheath Physical Properties (Before Aging)	Tensile Strength (Mpa)	≥13.5
	Elongation (%)	≥150
	Aging Period (°C x hrs)	100°C x 24h x 7d
Sheath Physical Properties (After Aging)	Tensile Strength (Mpa)	≥12.5
	Elongation (%)	≥125
	Cold bend (-20±2°C x 4h)	No visible cracks
Electrical Characteristics (20°C)	Impedance (Ω)	100±15
	Delay Skew (ns/100m)	≤45
	DC Resistance (Ω/100m)	23.7

Electric Performance

Frequency (MHz)	Attenuation (dB/100m)	Next (dB)	Return Loss (dB)	Delay (ns)	ELFEXT (dB)	Power Sum Next (dB)	Power Sum Delay (ns)
1	1.9	65	19.1	521	64.2	62	61.2
4	3.5	64.1	21	504	52.1	61.8	49.1
8	5	59.4	21	500	46.1	57	43.1
10	5.5	57.8	21	498	44.2	55.5	41.2
16	7	54.6	20	496	40.1	52.2	37.1
20	7.9	53.1	19.5	495	38.2	50.7	35.2

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25	8.9	51.5	19	495	36.2	49.1	33.2
31.25	10	50	18.5	494	34.3	47.5	31.3
62.5	14.4	45.1	16	492	28.3	42.7	25.3
100	18.6	41.8	14	491	24.2	39.3	21.2
200	27.4	36.9	11	490	18.2	34.3	15.2
250	31.1	35.3	10	490	16.2	32.7	13.2