



- 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: 1M

Model: PC5\_M\_1

## 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: July 08, 2024

Specification subject to change without notice

	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	3	60	19	521	58.6	57	55.6
4	3.9	54.8	19	504	46.6	51.8	43.6
8	5.5	50	19	500	40.6	47	37.5
10	6.2	48.5	19	498	38.6	45.5	35.6
16	7.9	45.5	19	496	34.5	42.2	31.5

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20	8.9	43.7	19	495	32.6	40.7	29.6
25	10	42.1	18	495	30.7	39.1	27.7
31.25	11.2	40.5	17.1	494	28.7	37.5	25.7
62.5	16.2	35.7	14.1	492	22.7	32.7	19.7
100	21	32.3	12	□491	18.6	18.6	15.6