



### Features

- Conductor: 28 AWG
- Standard: ISO/IEC 11801, ANSI/TIA- 568-C2
- ISO9001 Certified Manufacturing Plant
- Length: 0.15M / 0.3M / 0.6M / 1M / 1.5M / 2M / 3M / 5M / 8M / 10M / 12M / 15M



### Specifications

Model		PC6_M Series			
Conductor	Material	Stranded-Bare Copper	Sheath Physical Properties (Before Aging)	Tensile Strength (Mpa)	≥ 13.5
	Nom. O.D. (mm)	28 AWG (7 / 0.12)		Elongation (%)	≥ 150
Insulation	Material	HDPE	Sheath Physical Properties (After Aging)	Aging Period (°C x hrs)	100 °C x 24h x 7d
	Diameter	0.58 ± 0.05 mm		Tensile Strength (Mpa)	≥ 12.5
Sheath	Thickness	0.55 ± 0.05 mm	Electrical Characteristics (20°C)	Elongation (%)	≥ 125
	External O.D.(Avg.)	3.8 ± 0.3mm		Cold bend (-20±2°C x 4h)	No visible cracks
	Surface	Clean, Frap, Satiation	impedance (Ω)	100 ± 15	
	Material	LSZH (Complies RoHS)	Delay Skew (ns/100m)	≤ 45	
				DC Resistance (Ω/100m)	23.7

	Frequency (MHz)	Attenuation (≤dB)	NEXT (≥dB)	Return Loss (≥dB)	DELAY (≤ns)	ELFEXT (≥dB)	Power Sum	
							NEXT (≥dB)	DELAY (≥dB)
Electric Performance	1	1.9	65.0	19.1	521	64.2	62.0	61.2
	4	3.5	64.1	21.0	504	52.1	61.8	49.1
	8	5.0	59.4	21.0	500	46.1	57.0	43.1
	10	5.5	57.8	21.0	498	44.2	55.5	41.2
	16	7.0	54.6	20.0	496	40.1	52.2	37.1
	20	7.9	53.1	19.5	495	38.2	50.7	35.2
	25	8.9	51.5	19.0	495	36.2	49.1	33.2
	31.25	10.0	50.0	18.5	494	34.3	47.5	31.3
	62.5	14.4	45.1	16.0	492	28.3	42.7	25.3
	100	18.6	41.8	14.0	491	24.2	39.3	21.2
	200	27.4	36.9	11.0	490	18.2	34.3	15.2
250	31.1	35.3	10.0	490	16.2	32.7	13.2	

### Construction (U/UTP)

4 Twisted Pair Cable

**Pair Identification**

- Pair 1 White-Blue / Blue
- Pair 2 White-Orange / Orange
- Pair 3 White-Green / Green
- Pair 4 White-Brown / Brown

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.