



- 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: 1.5M

Model: PC5_M_1.5

Standard

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| 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 |