



- 導體：28 AWG
- 標準：ISO/IEC 11801、ANSI/TIA-568-C2
- 應用：數據通訊、本地網絡、樓宇信號系統
- ISO9001認證製造工廠



長度: 3米

型號: PC5\_M\_3

## Standard

|          |   |
|----------|---|
| Standard | ISO/IEC 11801, ANSI/TIA- 568-C2<br>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           |
|            | External O.D.(Avg.) | 3.8±0.3mm              |
|            | Surface             | Clean, Frap, Satiation |
|            | Material            | PVC (complies RoHS)    |

Update Date: July 08, 2024

Specification subject to change without notice

|   |                          |                   |
|---|--------------------------|-------------------|
| 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                 |
| 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                 |

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|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 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 |

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