



- 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: 2米

型號: PC6\_M\_2

## Standard

|          |   |
|----------|---|
| Standard | ISO/IEC 11801, ANSI/TIA- 568-C2<br>ISO9001Certified Manufacturing Plant |
|----------|---|

## 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)    |
| Sheath Physical Properties (Before Aging) | Tensile Strength (Mpa) | ≥13.5                  |

Update Date: August 07, 2024

Specification subject to change without notice

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

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

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