



- Conductor: 26 AWG

- Standard:

ISO/IEC 11801:2011(Ed. 2.2), ANSI/TIA- 568.2-D

- Applications :

Data communications, Local area networks,  
Building signaling systems

- ISO9001Certified Manufacturing Plant

Length: 5M

Model: PC6A\_LSZH\_5M



## Standard

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

## General

|            |                |                      |
|------------|----------------|----------------------|
| Conductor  | Material       | Stranded-Bare Copper |
|            | Nom. O.D. (mm) | 26AWG (7/0.16)       |
| Insulation | Material       | PE                   |
|            | Diameter       | 1.02±0.0 5 mm        |
| Sheath     | Thickness      | 0.58±0.05 mm         |

Update Date: May 26, 2025

Specification subject to change without notice

|                                   |                           |                      |
|-----------------------------------|---------------------------|----------------------|
|                                   | External O.D.(Avg.)       | 6.2±0.2 mm           |
|                                   | Surface                   | Clean,Frap,Satiation |
|                                   | Material                  | LSZH                 |
| Operation Temperature             |                           | -25 to 60°C          |
| Sheath Physical Properties        | Tensile Strength (kg/mm2) | ≥1.05                |
|                                   | Elongation (%)            | ≥100                 |
| Electrical Characteristics (20°C) | Durability                | ≥1200 matching cycle |
|                                   | Max Pull Tension          | 90 N                 |
|                                   | Current Rating            | 1.5A                 |
|                                   | Insulation Resistance     | 100 MΩ min           |
|                                   | Contact Resistance        | 20 MΩ max            |
|                                   | Dielectric Strength       | 500 VAC (rms)        |
|                                   | Voltage                   | 72 VDC max           |

## Electric Performance

| Frequency (MHz) | Insertion Loss (max.dB) Limit dB | Next (max.dB) Limit dB | Return Loss (max.dB) Limit dB | PSNEXT (max.dB) Limit dB | ACR-N (max.dB) Limit dB | PS ACR-N (max.dB) Limit dB | ACR-F (max.dB) Limit dB | PS ACR-F (max.dB) Limit dB |
|-----------------|----------------------------------|------------------------|-------------------------------|--------------------------|-------------------------|----------------------------|-------------------------|----------------------------|
| 1               | 3                                | 65                     | 19                            | 62                       | 65                      | 59                         | 63.3                    | 60.3                       |
| 4               | 4.2                              | 63                     | 19                            | 60.5                     | 58.9                    | 56.4                       | 51.2                    | 48.2                       |
| 8               | 5.8                              | 58.2                   | 19                            | 55.6                     | 52.4                    | 19.8                       | 45.2                    | 42.2                       |
| 10              | 6.5                              | 56.6                   | 19                            | 54                       | 50.1                    | 17.5                       | 43.3                    | 40.3                       |

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|       |      |      |      |      |       |       |      |      |
|-------|------|------|------|------|-------|-------|------|------|
| 16    | 8.2  | 53.2 | 18   | 50.6 | 45    | 42.4  | 39.2 | 36.2 |
| 20    | 9.2  | 51.6 | 17.5 | 49   | 42.5  | 39.8  | 37.2 | 34.2 |
| 25    | 10.2 | 50   | 17   | 47.3 | 39.8  | 37.1  | 35.3 | 32.3 |
| 31.25 | 11.5 | 48.4 | 16.5 | 45.7 | 36.9  | 34.2  | 33.4 | 30.4 |
| 62.5  | 16.4 | 43.4 | 14   | 40.6 | 27    | 24.2  | 27.3 | 24.3 |
| 100   | 20.9 | 39.9 | 12   | 37.1 | 19    | 16.2  | 23.3 | 20.3 |
| 200   | 30.1 | 34.8 | 9    | 31.9 | 4.7   | 1.8   | 17.2 | 14.2 |
| 250   | 33.9 | 33.1 | 8    | 30.2 | -0.8  | -3.7  | 15.3 | 12.3 |
| 300   | 37.4 | 31.7 | 7.2  | 28.8 | -5.6  | -8.6  | 13.7 | 10.7 |
| 400   | 43.7 | 28.7 | 6    | 25.8 | -14.9 | -17.9 | 11.2 | 8.2  |
| 500   | 49.3 | 26.1 | 6    | 23.2 | -23.2 | -26.1 | 9.3  | 6.3  |