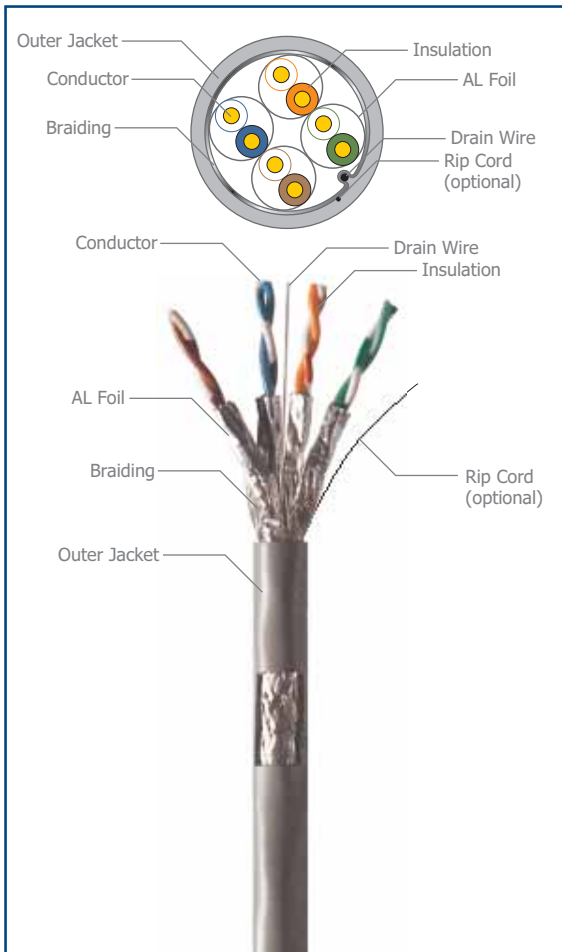


4PR 23AWG S/FTP CAT7 / Part No.: LN-A0423APC7
Description

- Rated temperature: 75°C
- Reference standard: UL Subject 444, EIA/TIA 568B & ISO/IEC 11801 ,IEC 61156
- Solid bare copper conductor
- Colour-coded PE insulation
- Rip cord (optional)
- PVC or LSZH jacket
- Packaging: Reel, Reel in Box

Application

- 100 Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM

Product Figure


* Custom configuration is available upon request.

Physical Characteristics

| | | |
|---|---|--|
| Structure | Construction | S/FTP |
| | Number of Pairs | 4 Pair |
| | AWG | 23AWG |
| | Conductor Dimension (mm) | 0.585 |
| Insulation | Solid or Stranded; Bare or Tinned | Solid Bare Copper |
| | Insulation Material | HDPE, FRPE |
| | Insulation Dimension (mm) | 1.4 |
| Shield | Number Colour (Ring or Strip Marking) | 1.White/Blue(Ring) & Blue 2.White/Orange(Ring) & Orange 3.White/Green(Ring) & Green 4.White/Brown(Ring) & Brown |
| | Cross Filler | No |
| | Individual Shield & Material | Yes (AL-Foil) |
| | Outer Shield & Material | Yes (Copper Braiding) |
| Outer Jacket | Drain Wire | Yes (Tinned Copper) |
| | Outer Jacket Material | PVC or LSZH |
| | Outer Jacket Ripcord | Per customer request |
| Mechanical Characteristics | Overall Nominal Diameter (mm) | 7.7 ± 0.3 |
| | Operating Temp. Range | -20~75°C |
| | Bulk Cable Weight (KG) | 59KG |
| | Max. Recommended Pulling Tension | 110N |
| | Min. Bend Radius (Install) | 8 x O.D. |
| | Flame Test | CMX, CM, CMG, CMR |
| Electrical Characteristics | Nom. Mutual Capacitance @ 1kHz | ≤ 5.6nF /100M |
| | Max. Capacitance Unbalance (pF/100m) | ≤ 160pF/100M(Per IEC 61156) |
| | Nominal Velocity of Propagation | 65% |
| | Max. Delay Skew (ns/100m) | ≤ 25ns /100M |
| | Max. Conductor DC Resistance @ 20 Deg. C | 7.32Ω /100M (23AWG) |
| | Max. DC Resistance Unbalance @ 20 Deg. C | ≤ 2%(Per IEC 61156-5) |
| Max. Insulation Resistance (MΩ/km) | 5000 | |
| Max. Operating Voltage-UL | 300V | |



4PR 23AWG S/FTP CAT7 / Part No.: LN-A0423APC7
IEC-61156-5 Electrical Characteristics

| Frequency (MHz) | Input Impedance (Ohms) | ATT (dB/100m) | RL (dB) | NEXT (dB) | PSNEXT (dB) | FEXT (dB) | ELFEXT (dB) | PSELFEXT (dB) | TCL (dB) | PD (ns/100m) | SKEW (ns/100m) |
|-----------------|------------------------|---------------|---------|-----------|-------------|-----------|-------------|---------------|----------|--------------|----------------|
| 1 | 100 ± 15 | - | - | 78.0 | 75.0 | 70.0 | 78.0 | 75.0 | 40.0 | - | - |
| 4 | 100 ± 15 | 3.7 | 23.0 | 78.0 | 75.0 | 70.0 | 78.0 | 75.0 | 34.0 | 552.0 | 25 |
| 10 | 100 ± 15 | 5.9 | 25.0 | 78.0 | 75.0 | 70.0 | 74.0 | 71.0 | 30.0 | 545.4 | 25 |
| 16 | 100 ± 15 | 7.4 | 25.0 | 78.0 | 75.0 | 70.0 | 69.9 | 66.9 | 28.0 | 543.0 | 25 |
| 20 | 100 ± 15 | 8.3 | 25.0 | 78.0 | 75.0 | 70.0 | 68.0 | 65.0 | 27.0 | 542.0 | 25 |
| 25 | 100 ± 15 | 9.3 | 24.3 | 78.0 | 75.0 | 70.0 | 66.0 | 63.0 | 26.0 | 541.2 | 25 |
| 31.25 | 100 ± 15 | 10.4 | 23.6 | 78.0 | 75.0 | 70.0 | 64.1 | 61.1 | 25.1 | 540.4 | 25 |
| 62.5 | 100 ± 15 | 14.9 | 21.5 | 75.5 | 72.5 | 70.0 | 58.1 | 55.1 | 22.0 | 538.6 | 25 |
| 100 | 100 ± 15 | 19.0 | 20.1 | 72.4 | 69.4 | 70.0 | 54.0 | 51.0 | 20.0 | 537.6 | 25 |
| 150 | 100 ± 22 | 23.6 | 18.9 | 69.8 | 66.8 | 70.0 | 50.5 | 47.5 | 18.2 | 536.9 | 25 |
| 200 | 100 ± 22 | 27.5 | 18.0 | 67.9 | 64.9 | 70.0 | 48.0 | 45.0 | 17.0 | 536.5 | 25 |
| 250 | 100 ± 25 | 31.0 | 17.3 | 66.4 | 63.4 | 70.0 | 46.0 | 43.0 | - | 536.3 | 25 |
| 300 | 100 ± 25 | 34.2 | 17.3 | 65.2 | 62.2 | 70.0 | 44.5 | 41.5 | - | 536.1 | 25 |
| 600 | 100 ± 25 | 50.1 | 17.3 | 60.7 | 57.7 | 70.0 | 38.4 | 35.4 | - | 535.5 | 25 |


Linkz International Limited

 6/F, Photonics Centre, 2 Science Park East Avenue, Hong Kong Science Park, Shatin, Hong Kong.
 Tel: (852) 2425 4399 Fax: (852) 2418 1627 Email: sales@linkzindustries.com Website: http://www.linkzindustries.com

Part No.: A0423APC7
Ver: D1/08