

**LP-CA5J0VLC LanPro Performax®, Shielded Network Cable CAT 6A S/FTP,
with violet color LSZH-rated jacket, Low smoke Zero-Halogen.**

LPCA5J0VLC_SS_ENB01W

Features

- Flexible.
- Superior performance to traditional designs.
- 568-A and 568-B compatible.
- Exceeds ANSI/TIA-568-C.2, ISO/IEC 11801, IEC 60332-1C requirements.
- Shielded S/FTP.
- Rip Cord included.
- Drain Wire included.
- Backward compatible with CAT 6 and CAT 5e systems
- Excellent price/performance ratio.
- Violet color jacket for easy identification.
- Four (4) 23 AWG Twisted Pairs, individually shielded with a Mylar® film coated with aluminum, all covered by a copper mesh.
- Flame rating: LSZH thermoplastic cover Jacket with a thickness of 0.60mm.
- CAT 6A is a robust product.
- Packaged in 1000 ft (305m) wood spool.
- Operating voltage: <48 Vrms.
- DELTA No. 2014-111
- Comply IEEE 802.3an (10G-BaseT) and 802.3af/at (PoE full power specs).



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LanPro **Performax®**, Shielded Network Cable CAT 6A S/FTP, with violet color LSZH-rated jacket for easy identification, is the answer given by LanPro to the demand imposed by today's high performance applications at reasonable prices. Tested to well over 500 MHz, the guaranteed performance of this cable meets the ANSI/TIA-568-C.2, ISO/IEC 11801, DELTA No. 2014-111, making it ideal for transmission links supporting today's networking protocols up to 10G.

A Applications

LanPro Performax **LP-CA5J0VLC** CAT 6A S/FTP Shielded Network Cable, with violet color LSZH-rated jacket is intended for high speed data applications, including 10 Gigabit Ethernet, 100BASE-Tx, token-ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (Broadband, Baseband), digital video and Voice over IP (VoIP), it can also be used for Video surveillance IP cameras and 100BASE-TX and 4/16 Mb/s Token Ring.

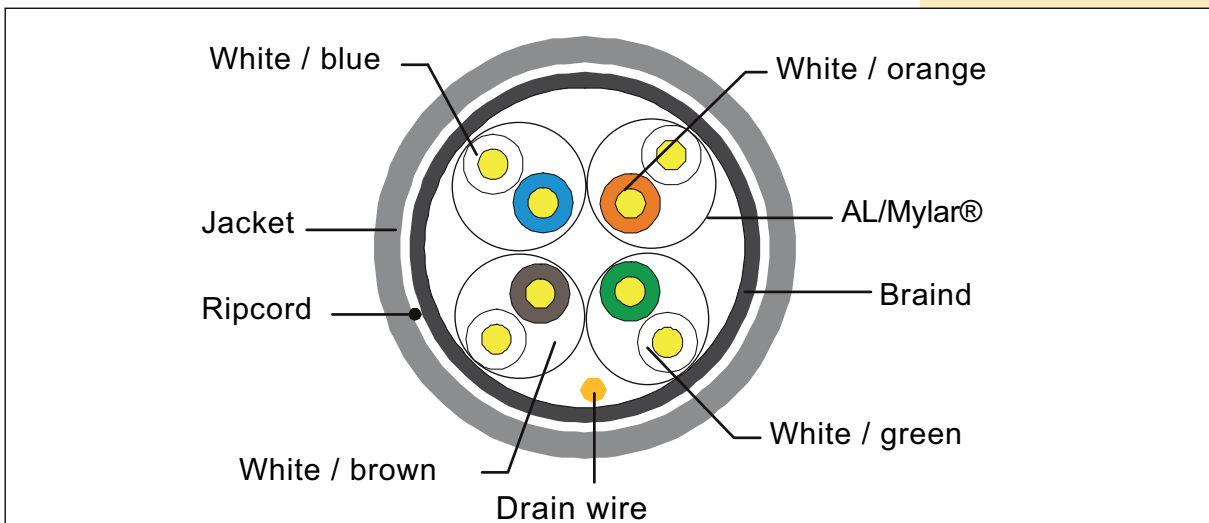
Important Note:

The LSZH cables when taking fire, generate fumes that doesn't contain halogens resulting in a cable safer to use in public places, fire propagation speed is similar to CMX.

B Technical Specifications

| | | | |
|-------------------------------------|--|---------------------------------------|--|
| Standards | ISO/IEC11801, TIA/EIA 568.2, EN 50173, DELTA Approval No. 2014-111, IEC 60332-1C | | |
| Conductor | Material | 100% Copper | |
| | AWG # | 23 | |
| | Nominal Diameter (mm) | 0.560 | Positive tolerance Negative tolerance |
| Isolation layer | Material | Skin-foam-skin PE | |
| | Diameter (mm) | 1.330±0.05 | |
| Inner Screening Material | AL/Mylar® | Drain wire | TC0.45 |
| Outer Screening Material | Tinned Copper 0.10mm | Coverage | 30% |
| Jacket | Thickness | 0.55±0.05 mm | |
| | External Diameter, (O.D.) | 7.5±0.5 mm | |
| | Surface finish | Clean | |
| | Material | LSZH, complies with RoHS | |
| | Color | Violet | |
| Markings | Letter height | 3.0±0.3 mm | |
| | Color | Black | |
| | Print error & Space | ≤ ±0.5%, 1m | |
| Core Color | 1. White / Blue | 2. White / Orange | |
| | 3. White / Green | 4. White / Brown | |
| Packing | Wood spool & Carton | | |
| Packing length | 305 ±1.5 m | | |
| Physical properties | Temperature Range | -20°C to 75°C | |
| Mechanical Characteristics | Tensile strength before aging (Mpa) | ≥10.0 | |
| | Elongation before aging (%) | ≥125 | |
| | Aging Period (°C x hours) | 100°C x 24 h x 7d | |
| | Tensile strength after Aging(Mpa) | ≥8.0 | |
| | Elongation after aging (%) | ≥100 | |
| | Cold Bend (-20+2°Cx4h) | No visible cracks | |
| | Bending Radius | 8x external Diameter, during install. | |
| Electrical properties @ 20°C | Delay skew | ≤45 ns/100m | |
| | Propagation Velocity (%) | 74 | |
| | Unbalanced-to-ground capacitance | 330 (pf/100m) max | |
| | Maximum DC Resistance (Ω/100 m) max | 9.38 | |
| | DC Conductor Resistance Unbalance (%) max | 2.0 | |

C Cable Structure



D Technical Performance (100m)

| Freq. (MHz) | RL ≥dB | ATT ≤dB | NEXT ≥dB | Delay ≤ns | PSNEXT ≥dB | ELFEXT ≥dB | PSELFEXT ≥dB |
|-------------|--------|---------|----------|-----------|------------|------------|--------------|
| 1 | 20.0 | 2.1 | 74.3 | 570.0 | 72.3 | 67.8 | 64.8 |
| 4.0 | 23.0 | 3.8 | 65.3 | 552.0 | 63.3 | 55.8 | 52.8 |
| 8.0 | 24.5 | 5.3 | 60.8 | 546.7 | 58.8 | 49.7 | 46.7 |
| 10.0 | 25.0 | 5.9 | 59.3 | 545.4 | 57.3 | 47.8 | 44.8 |
| 16.0 | 25.0 | 7.5 | 56.2 | 543.0 | 54.2 | 43.7 | 40.7 |
| 20.0 | 25.0 | 8.4 | 54.8 | 542.1 | 52.8 | 41.8 | 38.8 |
| 25.0 | 24.3 | 9.4 | 53.3 | 541.2 | 51.3 | 39.8 | 36.8 |
| 31.25 | 23.6 | 10.5 | 51.9 | 540.4 | 49.9 | 37.9 | 34.9 |
| 62.5 | 21.5 | 15.0 | 47.4 | 538.6 | 45.4 | 31.9 | 28.9 |
| 100 | 20.1 | 19.1 | 44.3 | 537.6 | 42.3 | 27.8 | 24.8 |
| 200 | 18.0 | 27.6 | 39.8 | 536.5 | 37.8 | 21.8 | 18.8 |
| 250 | 17.3 | 31.1 | 38.3 | 536.1 | 36.3 | 19.8 | 16.8 |
| 300 | 16.8 | 34.3 | 37.1 | 536.1 | 35.1 | 18.3 | 15.3 |
| 500 | 15.2 | 45.3 | 33.8 | 535.6 | 31.8 | 13.8 | 10.8 |

E How to Order

LP-CA5J0VLC LanPro Performax®, Shielded Network Cable CAT 6A S/FTP, with violet color LSZH-rated jacket, Low smoke Zero-Halogen, packed in 1000ft (305m) wood spool.

LanPro está mejorando sus productos continuamente y se reserva el derecho a cambiar las especificaciones y disponibilidad sin notificación previa.