

**LP-C60J0VLB LanPro Reliable® CAT 6 type U/UTP Network Cable, LSZH-rated with Solid Copper Conductors and Flexible-X™ separator for symmetry and Violet jacket in 1000 ft (305m) Easy-Pull Box Reelex II type.**

LPC60J0VLB\_SS\_ENB01W

**Features:**

- Very Flexible.
- Superior performance to traditional designs.
- 568-A and 568-B compatible.
- Exceeds ANSI/TIA-568-C.2, ISO/IEC 11801 requirements.
- Robust Construction.
- Rip Cord included.
- Backward compatible with CAT 5e and CAT 5 systems.
- Excellent price/performance ratio.
- Violet color jacket. Other color under request, (violet color is the standard for LSZH).
- Four (4) 23 AWG Twisted Pairs.
- Flame rating: LSZH.
- Reliable 6® is a robust product.
- Packaged in one convenient presentation: 1000 feet (305 m) Easy-Pull Box Reelex II type.
- The Geometry is better with Flexible-X™ technology.



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LP-C60J0VLB Reliable® CAT 6 U/UTP Network LSZH-rated Cable is the answer given by LanPro to the demand imposed by today's high performance applications at reasonable prices. Tested to well over 250 MHz, the guaranteed performance of this cable meets the ANSI/TIA-568-C.2-1, ISO/IEC 11801, making it ideal for transmission links supporting today's networking protocols.

**A Applications:**

LanPro Reliable® CAT 6 model LP-C60J0VLB, U/UTP Network LSZH-rated is intended for high speed data applications, including Gigabit Ethernet, 100BASETx, 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 UTP LanPro Reliable® CAT 6 model LP-C60J0VLB U/UTP Cable is LSZH rated and belongs to a general purpose class of cables that can be utilized in any application located in residential areas, and if run inside steel conduits it can be used in commercial environments. When the LSZH rated cables take fire, they generate fumes that don't contain halogens, resulting in a safer selection when used in public places.

If needed, LanPro can manufacture most of its line of cables with LSZH rating, including fiber optic cables

They are environmentally friendly and an alternative to traditional jackets. Les contaminant and poisonous than Plenum, CM, CMX or CMR, are particularly applicable to situations where there are CAD/CAM, sensitive computers, labs

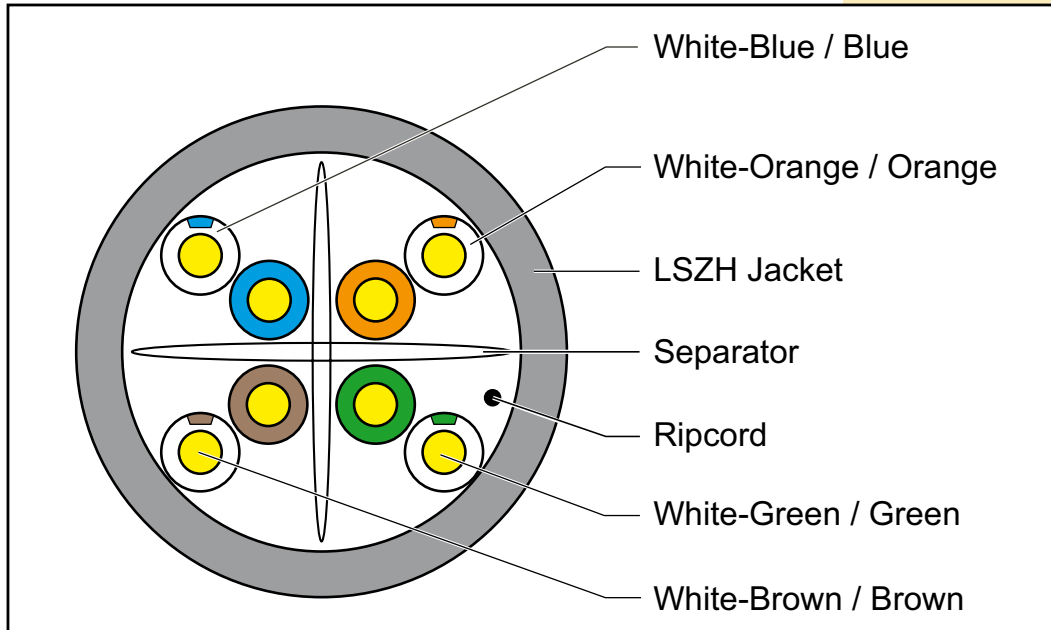
or where persons are possibly subject to halogens in the event of fire, like movie theatres, schools, conference rooms, pubs, restaurants, hospitals or other. (A common type of cable can generate fumes containing Fluor, Chlorine, Iodine and Bromide)

In case of combustion, the LSZH cables do not propagate flames and fumes are clear enough to permit certain grade of visibility. However, the LSZH cables don't pass the UL 1666 tests like the CMR and Plenum cables do. The LSZH cable is a network cable whose main icon is the safety of people.

**B Technical Specifications:**

|                                         |                                            |                                  |                    |        |
|-----------------------------------------|--------------------------------------------|----------------------------------|--------------------|--------|
| <b>1. Standards</b>                     | ISO/IEC11801, TIA/EIA568C.2, YD/T1019      |                                  |                    |        |
| <b>2. Conductor</b>                     | Material                                   | Cobre 100%                       |                    |        |
|                                         | AWG#                                       | 23                               |                    |        |
|                                         | Nominal Diameter (mm)                      | 0.550                            | Positive tolerance | +0.005 |
|                                         |                                            |                                  | Negative tolerance | -0.005 |
| <b>3. Isolation layer</b>               | Material                                   | HDPE (High Density Polyethylene) |                    |        |
|                                         | Diameter                                   | 0.98±0.03mm                      |                    |        |
| <b>4. Jacket</b>                        | Thickness                                  | 0.55±0.05 mm                     |                    |        |
|                                         | External Diameter, (O.D.)                  | 6.2±0.4 mm                       |                    |        |
|                                         | Surface finish                             | Clean, Satinized                 |                    |        |
|                                         | Material                                   | LSZH, complies RoHS              |                    |        |
|                                         | Color                                      | Violet                           |                    |        |
| <b>5. Markings</b>                      | Tamaño de las letras                       | 3.0±0.3mm                        |                    |        |
|                                         | Color                                      | Black                            |                    |        |
|                                         | Print error & Space                        | ≤ ±0.5%, 1m                      |                    |        |
| <b>6. Core Color</b>                    | 1 White-Blue / Blue                        | 2 White-Orange / Orange          |                    |        |
|                                         | 3 White-Green / Green                      | 4 White-Brown / Brown            |                    |        |
| <b>7. Packaging</b>                     | Carton (reel in Box) Box, Pallet           |                                  |                    |        |
|                                         | Carton Dimensions                          | 40.5 x 40.5 x 21 cm              |                    |        |
|                                         | Product length                             | 305ft ±1.5m                      |                    |        |
| <b>8. Rip Cord</b>                      | Yes                                        |                                  |                    |        |
| <b>9. Separator</b>                     | Flexible -X™                               |                                  |                    |        |
| <b>10. Mechanical Characteristics</b>   | Tensile strength before Aging (Mpa)        | ≥10.0                            |                    |        |
|                                         | Elongation before aging (%)                | ≥125                             |                    |        |
|                                         | Aging Period (°C x hours)                  | 100°C×24h×7d                     |                    |        |
|                                         | Tensile strength after Aging (Mpa)         | ≥8.0                             |                    |        |
|                                         | Elongation after aging (%)                 | ≥100                             |                    |        |
|                                         | Cold Bend (-20±2°Cx4h)                     | No visible cracks                |                    |        |
|                                         | Bending Radius                             | 8 x External diameter            |                    |        |
| <b>11. Electrical properties (20°C)</b> | Impedance (Ω) (1.0 - 250.0 MHz)            | 100±15                           |                    |        |
|                                         | Delay Shew (1.0 - 250.0 MHz)               | ≤45 (ns/100m)                    |                    |        |
|                                         | DC Resistance max.                         | 9.5 Ω/100 m                      |                    |        |
|                                         | DC Conductor Resistance Unbalance max. (%) | 5.0%                             |                    |        |

**C Structure:**



**D Certification Characteristics:**

| Frec.(MHz) | RL >dB | ATT ≤dB | NEXT ≥dB | DELAY ≤ns | PSNEXT >dB | ELFEXT >dB | PSELFEXT ≥dB |
|------------|--------|---------|----------|-----------|------------|------------|--------------|
| 1          | 20.0   | 2.03    | 74.3     | 570.00    | 72.3       | 67.8       | 64.8         |
| 4          | 23.0   | 3.78    | 65.3     | 552.00    | 63.3       | 55.8       | 52.8         |
| 8          | 24.5   | 5.32    | 60.8     | 546.73    | 58.8       | 49.7       | 46.7         |
| 10         | 25.0   | 5.95    | 59.3     | 545.38    | 57.3       | 47.8       | 44.8         |
| 16         | 25.0   | 7.55    | 56.2     | 543.00    | 54.2       | 43.7       | 40.7         |
| 20         | 25.0   | 8.47    | 54.8     | 542.05    | 52.8       | 41.8       | 38.8         |
| 25         | 24.3   | 9.51    | 53.3     | 541.20    | 41.3       | 40.0       | 36.8         |
| 31.25      | 23.6   | 10.67   | 51.9     | 540.44    | 49.9       | 39.8       | 34.9         |
| 62.5       | 21.5   | 15.38   | 47.7     | 538.55    | 45.4       | 37.9       | 28.9         |
| 100        | 20.1   | 19.80   | 44.3     | 537.60    | 42.3       | 27.8       | 24.8         |
| 200        | 18.0   | 28.98   | 39.8     | 536.54    | 37.8       | 21.8       | 18.8         |
| 250        | 17.3   | 32.85   | 38.3     | 536.27    | 36.3       | 19.8       | 16.8         |

**E How to Order:**

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