

LP-C60J0BLB LanPro Reliable® CAT 6 type U/UTP Network Cable, LSZH-rated with Solid Copper Conductors and Flexible-X™ separator for symmetry and Blue jacket in 1000 ft (305m) Easy-Pull Box Reelex II type.

LPC60J0BLB_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.
- Blue 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 (305m) Easy-Pull Box Reelex II type.
- The Geometry is better with Flexible-X™ technology.



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LP-C60J0BLB 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-C60J0BLB**, 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-C60J0BLB** 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

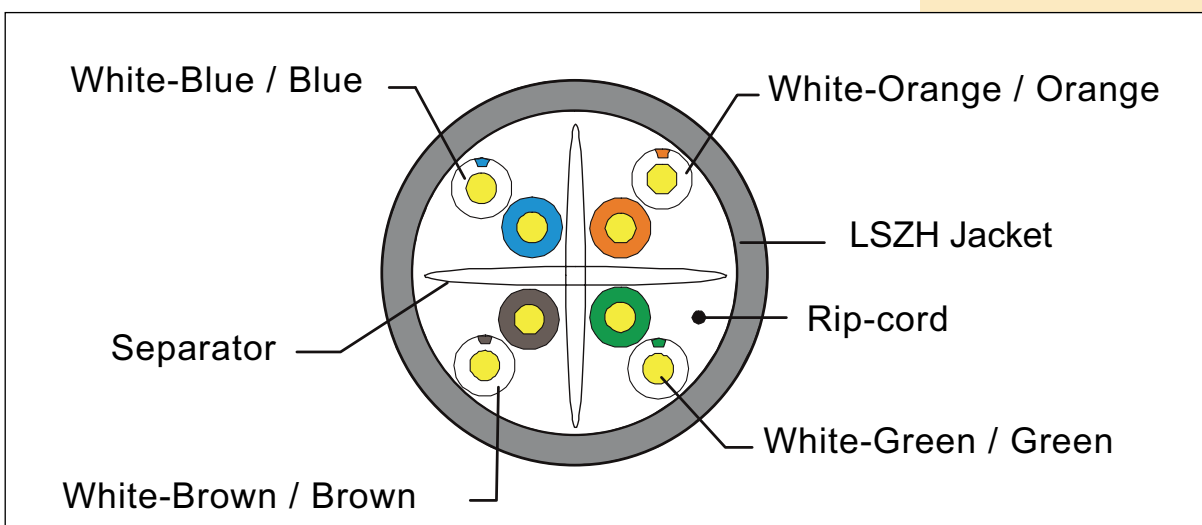
They are environmentally friendly and an alternative to traditional jackets. Less contaminant and poisonous than Plenum, CM, CMX or CMR, are particularly applicable to situations where there are CAD/CAM, sensitive computers, labs or where persons are possibly subject to halogens in the event of fire, 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 benefit is the resulting safety for people.

B Technical Specifications

Standards	ISO/IEC11801, TIA/EIA568C.2, YD/T1019		
1.- Conductor	Material	Copper 100%	
	AWG#	23	
	Nominal Diameter (mm)	0.550	Positive tolerance +0.005 Negative tolerance -0.005
2.- Isolation layer	Material	HDPE (High Density Polyethylene)	
	Diameter	0.98±0.03mm	
3.- Jacket	Thickness	0.55±0.05 mm	
	External Diameter, (O.D.)	6.2±0.4 mm	
	Surface finish	Clean, Satinized	
	Material	LSZH, complies RoHS	
	Color	Blue	
4.- Markings	Type height	3.0±0.3mm	
	Color	Black	
	Print error & Space	≤ ±0.5%, 1m	
5.- Core Color	1 White-Blue / Blue	2 White-Orange / Orange	
	3 White-Green / Green	4 White-Brown / Brown	
6.- Packaging	Carton (reel in Box) Box, Pallet		
	Carton Dimensions	41,91cm x 29,21cm x 39,37cm	
	Product length	305ft ±1.5m	
7.- Rip Cord	Yes		
8.- Separator	Flexible -X™		
9.- Mechanical Characteristics	Tensile strength before Aging (Mpa)	≥10.0	
	Elongation before aging (%)	≥125	
	Aging Period (°C x hours)	100°Cx24h×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	
10.- Electrical properties (20°C)	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

Freq. (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	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	45.4	31.9	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

D How to Order

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LanPro is continuously improving its products and reserves the right to change specifications and availability without prior notice.