

**LP-C6000BLB01 LanPro Reliable® CAT 6 type U/UTP (UTP), solid, 100% copper, AWG 23 Blue LSZH rated, Network Cable, with Flexible-x™ core for symmetry in 1000ft (305 m) Easy-pull Box.**

LPC6000BLB01\_SS\_ENB01W

**Features**

- ETL verified to TIA/EIA 568B CAT 6.
- ETL approved 4003289.
- Very Flexible.
- Superior performance to traditional designs.
- 568-A and 568-B compatible.
- This cable exceeds TIA/EIA-568-C.2 and ISO/IEC 11801, IEC60332-1, EN 50173.
- Reliable® CAT 6 is a robust product.
- Backward compatible with CAT 5e and CAT 5 systems.
- Excellent price/performance ratio.
- Blue color.
- Four (4) 23 AWG Twisted Pairs.
- Cover Jacket: Flame retardant LSZH in tough thermoplastic with a thickness of 0.55 mm.
- Packaged in one convenient presentation: 1000 feet per box. Weight: 28lbs (12.5Kgs), Easy-Pull Box.
- (Flexible-X™) core for better symmetry.
- Operating Voltage ≤48vrms.
- UL E329019.
- ETL 4003289.



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LP-C6000BLB01 Reliable® CAT 6 type U/UTP (UTP), solid, 100% copper, AWG 23 Blue LSZH rated, with Flexible-x™ core for symmetry in 1000ft Easy-Pull Box Network Cable is the answer given by LanPro to the large demand imposed by today's high performance applications at reasonable prices.

Reliable® CAT 6 is ETL approved 4003289, UL approved E329019 and exceeds TIA/EIA 568-C-2 specifications for Category 6 (CAT 6).

Now with "Flexible-X™" construction, Reliable® CAT 6 cable isolates and arranges the pairs throughout the length of the cable, improving field installation as well as performance.

Reliable® CAT 6 cable available for immediate delivery.

For 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.

## A

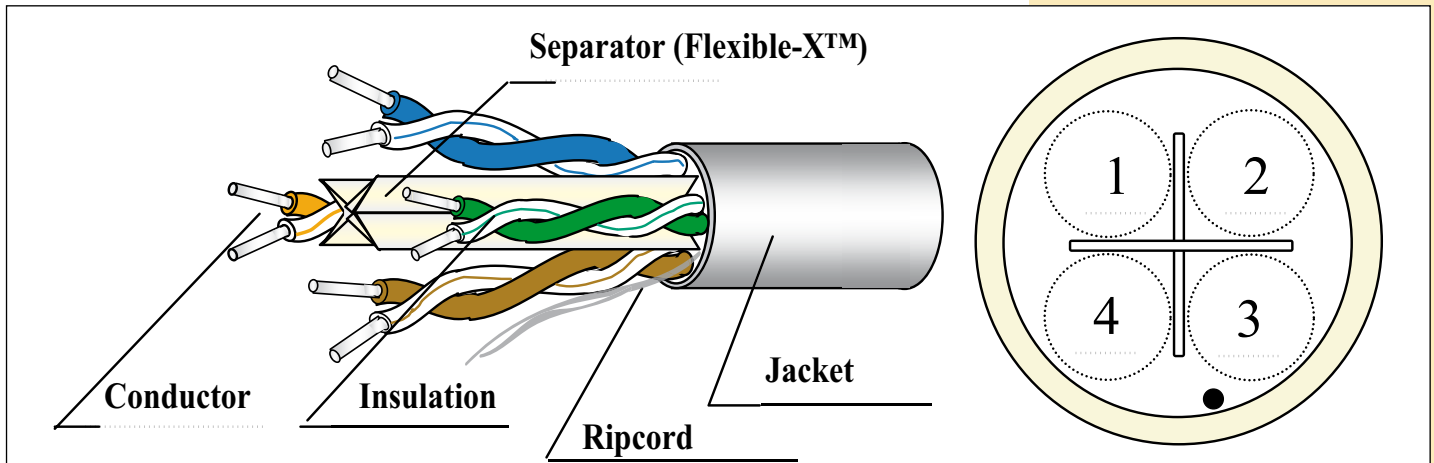
 Technical Specifications

Standards	ISO/IEC11801, TIA/EIA 568.2, EN 50173, ETL approved 4003289, UL approved E329019					
1.- Conductor	Material	100% Copper				
	AWG #	23				
	Nominal Diameter (mm)	0.565	<table border="1" style="width: 100%;"> <tr> <td>Positive tolerance</td> <td>+0.005</td> </tr> <tr> <td>Negative tolerance</td> <td>-0.005</td> </tr> </table>	Positive tolerance	+0.005	Negative tolerance
Positive tolerance	+0.005					
Negative tolerance	-0.005					
2.- Isolation layer	Material	HDPE (High Density Polyethylene)				
	Diameter (mm)	1.01±0.02				
	Elongation	Min. 300%				
	Color	A-Blue, White-Blue	B-Orange, White-Orange			
		C-Green, White-Green	D-Brown, White-Brown			
3.- RipCord	Yes					
4.- Separator	Flexible -X™					
5.- Drain Wire	None					
6.- Jacket	Thickness	0.55±0.05 mm				
	External Diameter, (O.D.)	6.3±0.3 mm				
	Surface finish	Clean, Satinized				
	Material	LSZH, complies RoHS				
	Color	Blue				
7.-Markings	Type height	3.0±0.3 mm				
	Color	White				
	Print error &Space	≤ ±0.5%, 1m				
8.- Packaging	Carton (reel in Box) Box, Pallet					
	Product length	305 ± 0.5 m				
	Carton Dimensions	33 x 35 x 26.5 cm				
9.- Physical properties	Temperature Range	-20°C to 75°C				
10.- 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				
	Elongation after aging (%)	≥100				
	Cold Bend (-20±2°Cx4h)	No visible cracks				
	Bending Radius	8xexternal Dia. during install, 4xexternal Dia afterwards				
11.- Electrical properties @ 20°C	Isolation resistance @500 V	Min 5000 MOhm/Km				
	Zo (1.0 – 250.0 MHz)	100 ±15 Ohm				
	Delay skew @20°C (1.0 – 250.0 MHz)	≥100 ns/100m				
	Propagation Velocity (% C)	67%				
	Mutual capacitance	5.1 nF max/100 m				
	Capacitance imbalance	160 nF max/100 m				
	Maximum DC Resistance @ (20 °C)	9.5 Ohm/100 m				
	Delay [ns/100m] @250 MHz	536 ns				
	% Resistance unbalance between conductors (Max)	5 %				
	Maximum Operating RMS AC Voltage	≤48				
	Peak Operating Voltage (DC)	≤68 V				
	(DC) Test Voltage (1minute)	1.0 KV/ 1 minute				

**B Certification Characteristics**

Freq.(MHz)	RL >dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	PSNEXT >dB	ELFEXT >dB	PSELFEXT ≥dB
1	20.0	1.9	74.0	570.00	72.3	68.0	65.0
4	23.0	3.7	65.0	552.00	63.3	56.0	53.0
8	24.5	5.3	60.7	546.73	48.8	49.9	46.9
10	25.0	5.9	59.0	545.38	57.3	48.0	45.0
16	25.0	7.5	56.0	543.00	54.2	43.9	40.9
20	25.0	8.4	55.0	542.05	52.8	42.0	39.0
25	24.3	9.5	53.3	541.20	41.3	40.0	37.0
31.25	23.6	10.6	52.0	540.44	49.9	38.1	35.1
62.5	21.5	15.4	47.0	538.55	45.4	32.1	29.1
100	20.1	19.8	44.0	537.60	42.3	28.0	25.0
200	18.0	29.0	40.0	536.54	37.8	22.0	19.0
250	17.3	32.8	38.0	536.27	36.3	20.0	17.0

**C Structure**



**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.*