LP-C6010BLB LanPro Reliable® Unshielded CAT 6 U/UTP Network Cable, CM-rated with Solid 100% Copper Conductors and Flexible-X™ Nylon core for symmetry and blue jacket in 1000 ft (305m) REELEX II® Easy Pull-Box.

LPC6010BLB_SS_ENB02W

Features

- Very Flexible.

- Superior performance to traditional designs.

- 568-A and 568-B compatible.

- Exceeds ANSI/TIA-568-C.2, ISO/IEC 11801, UL 1685 (UL 1581, Sec. 1160) Vertical-Tray, CSA FT1 requirements.

- Rugged Construction.

- Rip–Cord included.

- Backward compatible with CAT 5e and CAT 5 systems.

- Excellent price/performance ratio.

- Blue color jacket.

- Four (4) 23 AWG Twisted Pairs.

- Flame rating: CM thermoplastic cover Jacket with a thickness of 0,55 mm.

- Reliable 6® is a robust product.

- Packaged in one convenient presentation: 1000 feet (305m) in a REELEX II® easy-pull Box.

- Weight: 28lb (12.5Kg).

- The Geometry is better with Flexible-X™ technology.

- Operating voltage: <48 Vrms.

- UL E329019.

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The LP-C6010BLB LanPro Reliable® Unshielded CAT 6 U/UTP Network Cable, CM-rated with Solid 100% Copper Conductors and Flexible-X™ Nylon core for symmetry and blue jacket in 1000 ft (305m) REELEX II® Easy-Pull Box is the answer given by LanPro to the large 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, ISO/IEC 11801, UL 1685 (UL 1581, Sec. 1160) Vertical-Tray, CSA FT1 requirements, UL registered E329019, making it ideal for transmission links supporting today's networking protocols.

UL certified for CM commercial applications, the unshielded LanPro Reliable® CAT 6 U/UTP Network Cable is available for immediate delivery in blue color, other colors available under request.

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.

A Applications

Unshielded LanPro Reliable® CAT 6 U/UTP Network CM-rated is intended 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.
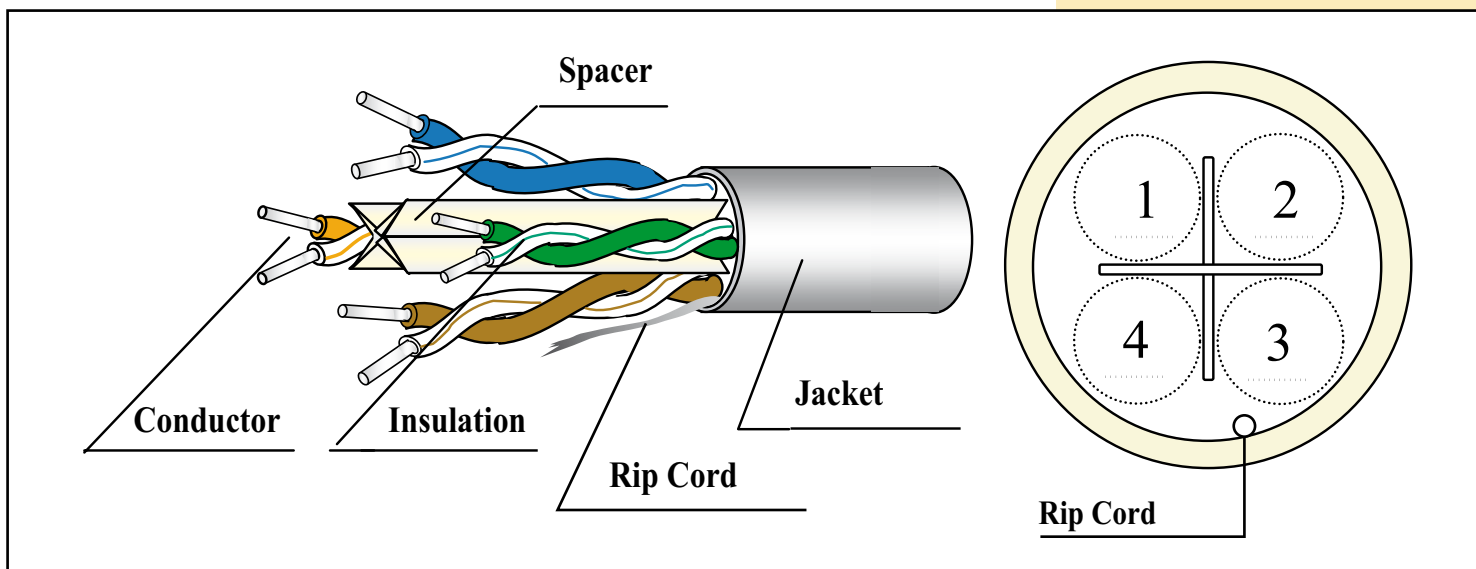
B Technical Specifications

Standards	ISO/IEC11801, TIA/EIA 568.C-2, UL 1685 (UL 1581, Sec. 1160)			
Conductor	Material	Copper 100%		
	AWG #	23		
	Nominal Diameter (mm)	0.550	Positive tolerance	+0.005
			Negative tolerance	-0.005
Isolation layer	Material	HDPE (High Density Polyethylene)		
	Diameter (mm)	0.98±0.03		
	Elongation	Min. 300%		
	Color	A-Blue, White-Blue	B-Orange, White-Orange	
		C-Green, White-Green	D-Brown, White-Brown	
Rip Cord	Yes			
Separator	Flexible –X™			
Drain Wire	None			
Jacket	Thickness	0.55±0.05 mm		
	External Diameter, (O.D.)	6.0±0.4 mm		
	Surface finish	Clean, FRAP, Satinized		
	Material	CM Rated, complies RoHS		
	Color	Blue		
Markings	Type height	3.0±0.3 mm		
	Color	Black		
	Print error &Space	≤ ±0.5%, 1m		
Packaging	REELEX II® type Carton, Pallet			
	Product length	305 ± 1.5 m		
	Carton Dimensions	41,91cm x 29,21cm x 39,37cm		
Physical properties	Temperature Range	-20°C to 75°C		
Mechanical Characteristics	Tensile strength before Aging (Mpa)	≥13.5		
	Elongation before aging (%)	≤150		
	Aging Period (ºC x hours)	100ºC x 24 h x 7d		
	Tensile strength after Aging (Mpa)	≥12.5		
	Elongation after aging (%)	≥125		
	Cold Bend (-20±2ºCx4h)	No visible cracks		
	Bending Radius	8x external Dia. during install		
		4x external Dia. afterwards		
Electrical properties @ 20°C	Isolation resistance @500 V	Min 5000 MOhm/Km		
	Zo (1.0 – 250.0 MHz)	100 ±15 Ohm		
	Delay skew @20ºC (1.0 – 250.0 MHz)	≤ 45 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 MHzz	536 ns		
	% Resistance unbalance between conductors (Max)	5 %		
	Maximum Operating RMS AC Voltage	≤48 V		
	Peak Operating Voltage (DC)	≤68 VDC		
	(DC) Test Voltage (1minute)	1.0 KV/ 1 minute		

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	51.3	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

E Structure

Spacer · Conductor · Insulation · Rip Cord · Jacket · 1 2 4 3 · Rip Cord

F 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.