LP-C6000GRB01 LanPro Reliable® CAT 6 type U/UTP (UTP), solid, 100% copper, AWG 23 Gray LSZH rated, Network Cable, with Flexible-x™ core for symmetry in 1000ft (305 m) Easy-pull Box.

LPC6000GRB01_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.

- Gray 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-C6000GRB01 Reliable® CAT 6 type U/UTP (UTP), solid, 100% copper, AWG 23 Gray 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.

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.
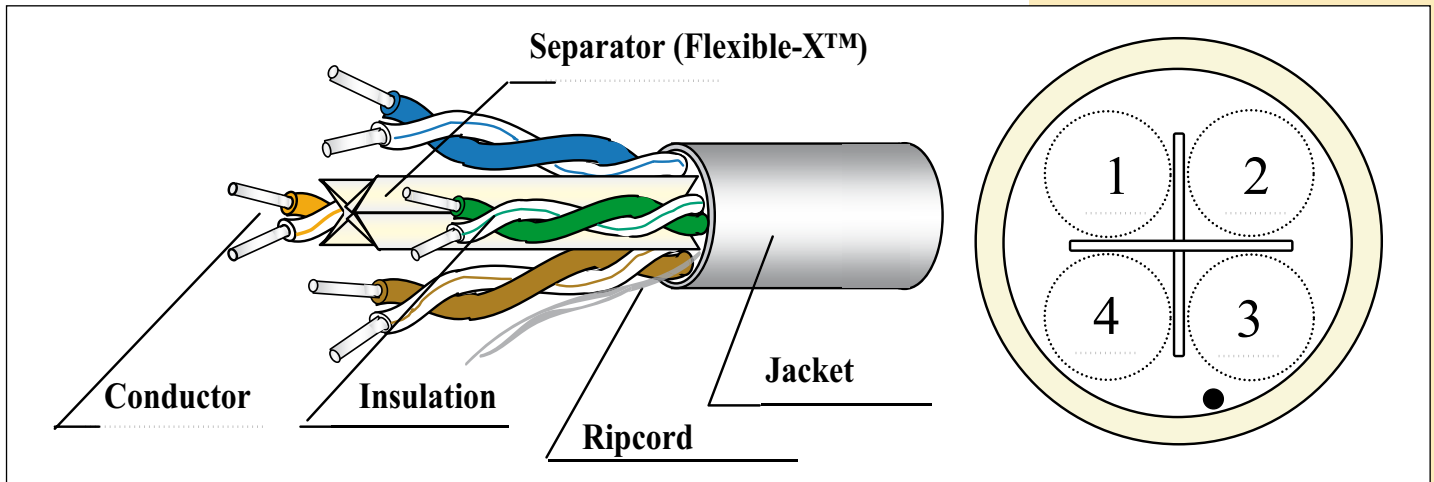
A Technical Specifications

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	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	Gray		
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	-20ºC to 75ºC		
10.- Mechanical Characteristics	Tensile strength before Aging(Mpa)	≥10.0		
	Elongation before aging (%)	≥125		
	Aging Period (ºC x hours)	100ºC x 24 h x 7d		
	Tensile strength after Aging(Mpa)	≥8		
	Elongation after aging (%)	≥100		
	Cold Bend (-20±2ºCx4h)	No visible cracks		
	Bending Radius	8xexternal Dia. during install,		
		4xexternal Dia afterwards		
11.- Electrical properties @ 20ºC	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)	≥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 ºC)	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

Separator (Flexible-X™)

Conductor

Insulation

Ripcord

Jacket

1 2
4 3

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.