

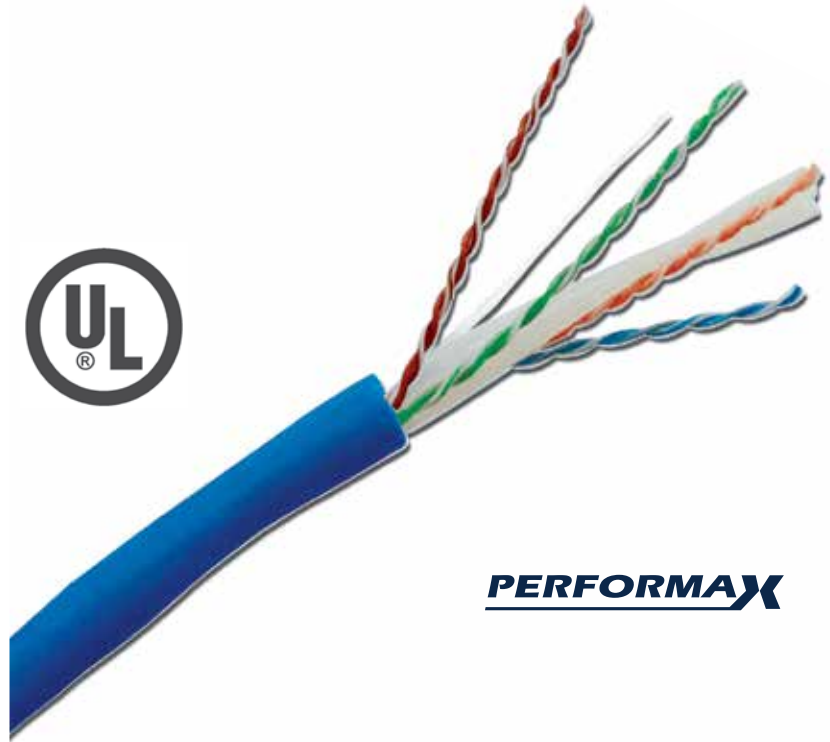
LP-CA030BLB

LanPro Performax®, CAT 6A type U/UTP Network Cable, CMP Plenum-rated with Solid Copper Conductors and Flexible-X™ separator for symmetry and Blue jacket in 1000 ft (305m) Easy-Pull Box.

LPCA030BLB_SS_ENB01W

Features

- Specified and Tested to 500 MHz.
- Lower Bit Error Rates increases network efficiency and uptime.
- Very Flexible, reduces installation costs and maintenance.
- Superior performance to traditional designs.
- 568-A and 568-B compatible.
- Rugged Construction.
- Backward compatible with CAT 6 and CAT 5e systems.
- Excellent price/performance ratio.
- 4 pairs 23 AWG UTP.
- CAT 6A is a robust product.
- Packaged in one convenient presentation. 1000 feet (305±1.5m) per box.
- Operating voltage ≤ 48 Vrms.
- Exceeds ANSI/TIA-568-D, ISO/IEC 11801, IEC 60332-1C requirements.
- Flame rating: CMP-rated cover Jacket.
- Comply IEEE 802.3an (10G-BaseT) and 802.3af/at (PoE full power specs).
- UL Verified CMP.



PERFORMAX

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LanPro Performax®, Unshielded Network Cable CAT 6A U/UTP, with blue color CMP-rated jacket for easy identification, is the answer given by LanPro to the demand imposed by today's high performance applications at reasonable prices. Tested to well over 500 MHz, the guaranteed performance of this cable meets the ANSI/TIA-568-D, ISO/IEC 11801, making it ideal for transmission links supporting today's networking protocols up to 10G.

IMPORTANT NOTE:

LanPro Performax®, Unshielded CAT 6A U/UTP Network CMP-rated may be used in commercial buildings in Plenum areas. The cables are flame tested and held to a higher standard than either CMR, CM cables. The chemicals used to produce such stopping of fire propagation need substances that have high quantities of halides.

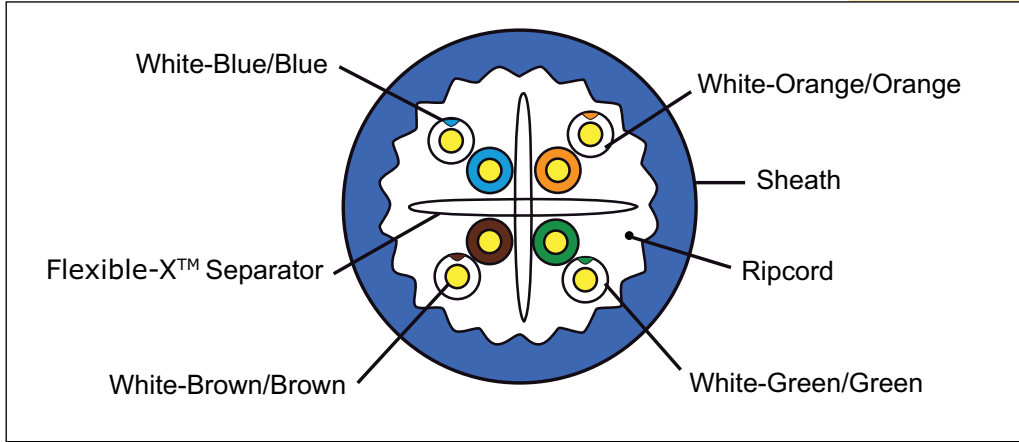
A Applications

LanPro Performax® LP-CA030BLB CAT 6A U/UTP Unshielded Network Cable, with blue color CMP-rated jacket is intended for high speed data applications, including 10 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 and 100BASE-TX and 4/16 Mb/s Token Ring.

B Technical Specifications

Standards	ISO/IEC11801, TIA/EIA 568.D			
Conductor	Material	100% Copper		
	AWG #	23		
	Nominal Diameter (mm)	0.565	Positive tolerance	+0.005
			Negative tolerance	-0.005
	Material	FEP		
Diameter (mm)	0.99±0.04mm			
Color	1. Blue, White/Blue	2. Orange, White/Orange		
	3. Green, White/Green	4. Brown, White/Brown		
Filling	Plastic Separator : FEP			
Ripcord	Yes			
Drain Wire	No			
Sheath	Thickness	0.45±0.05 mm		
	External O.D.	6.1±0.4 mm		
	Surface	Clean, Frap, Satiation		
	Material	PVC (complies RoHS), CMP		
	Color	According to the requires		
Surface Printing	Letter height	3.0±0.3mm		
	Color	Black		
	Print error & Space	≤±0.5% 1m		
Packing length	305±1.5m			
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5	
		Elongation (%)	≥150	
	Aging Period	(°C×hrs)	100°C×24h×7d	
	After Aging	Tensile Strength (Mpa)	≥12.5	
		Elongation (%)	≥125	
	Cold bend	(-20±2°C×4h)	No visible cracks	
Electrical Characteristics (20°C)	1.0-500.0 MHz, Characteristic impedance (Ω) 100±15			
	1.0-500.0 MHz, Delay Skew 20°C(ns/100m) ≤45			
	DC Resistance 20°C(Ω/100m) max 9.2			
	DC Conductor Resistance Unbalance (%) max 5.0			
Acceptance criterion: Per 4Pair pass FLUKE Permanent link test instrument.				

C Cable Structure



D Technical Performance (100m)

Freq (MHz)	RL ≥dB	ATT ≥dB	NEXT ≥dB	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.1	74.3	72.3	67.8	64.8
4.0	23.0	3.8	65.3	63.3	55.8	52.8
8.0	24.5	5.3	60.8	58.8	49.7	46.7
10.0	25.0	5.9	59.3	57.3	47.8	44.8
16.0	25.0	7.5	56.2	54.2	43.7	40.7
20.0	25.0	8.4	54.8	52.8	41.8	38.8
25.0	24.3	9.4	53.3	51.3	39.8	36.8
31.25	23.6	10.5	51.9	49.9	37.9	34.9
62.5	21.5	15.0	47.4	45.4	31.9	28.9
100	20.1	19.1	44.3	42.3	27.8	24.8
200	18.0	27.6	39.8	37.8	21.8	18.8
250	17.3	31.1	39.3	36.3	19.8	16.8
300	16.8	34.3	37.1	35.1	18.3	15.3
400	15.9	40.1	35.3	33.3	15.8	12.8
500	15.2	45.3	33.8	31.8	13.8	10.8
600	14.7	50.1	32.6	30.6	12.2	9.2
625	14.5	51.2	32.4	30.4	11.9	8.9
650	14.4	52.3	32.1	30.1	11.5	8.5
700	14.2	54.5	31.6	29.6	10.9	7.9
750	14.0	56.7	31.2	29.2	10.3	7.3

E How to Order

LP-CA030BLB LanPro Performax®, CAT 6A type U/UTP Network Cable, CMP Plenum-rated with Solid Copper Conductors and Flexible-X™ separator for symmetry and Blue jacket in 1000 ft (305m) Easy-Pull Box

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