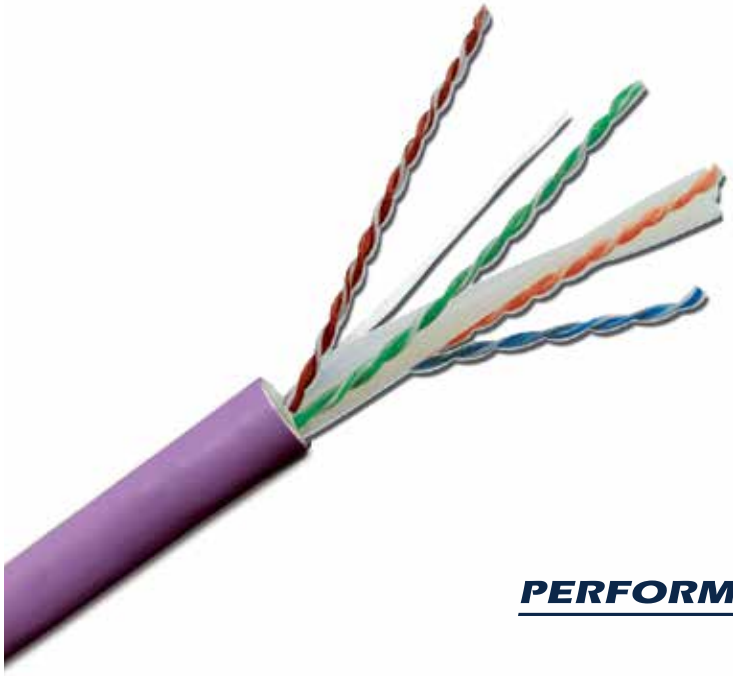
LP-CA0R0VLB
LanPro Performax®, Unshielded Network Cable CAT 6A U/UTP, with violet color LSZH-rated Level 3 jacket, Low smoke Zero-Halogen

LPCA0R0VLB_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.
- Reliable 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-C.2, ISO/IEC 11801, IEC 60332-3 requirements.
- Flame rating: LSZH Level 3 thermoplastic cover Jacket.
- DELTA No. 2014-111.
- Comply IEEE 802.3an (10G-BaseT) and 802.3af/at (PoE full power specs).



10G 48V 75°C LSZH DELTA EC VERIFIED

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LanPro Performax®, Unshielded Network Cable CAT 6A U/UTP, with violet color LSZH-rated Level 3 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-C.2, ISO/IEC 11801, IEC 60332-3, DELTA No. 2014-111, making it ideal for transmission links supporting today's networking protocols up to 10G.

IMPORTANT NOTE:

The LSZH Level 3 cables when taking fire, generate fumes that doesn't contain halogens resulting in a cable safer to use in public places, fire propagation speed is similar to CMX.

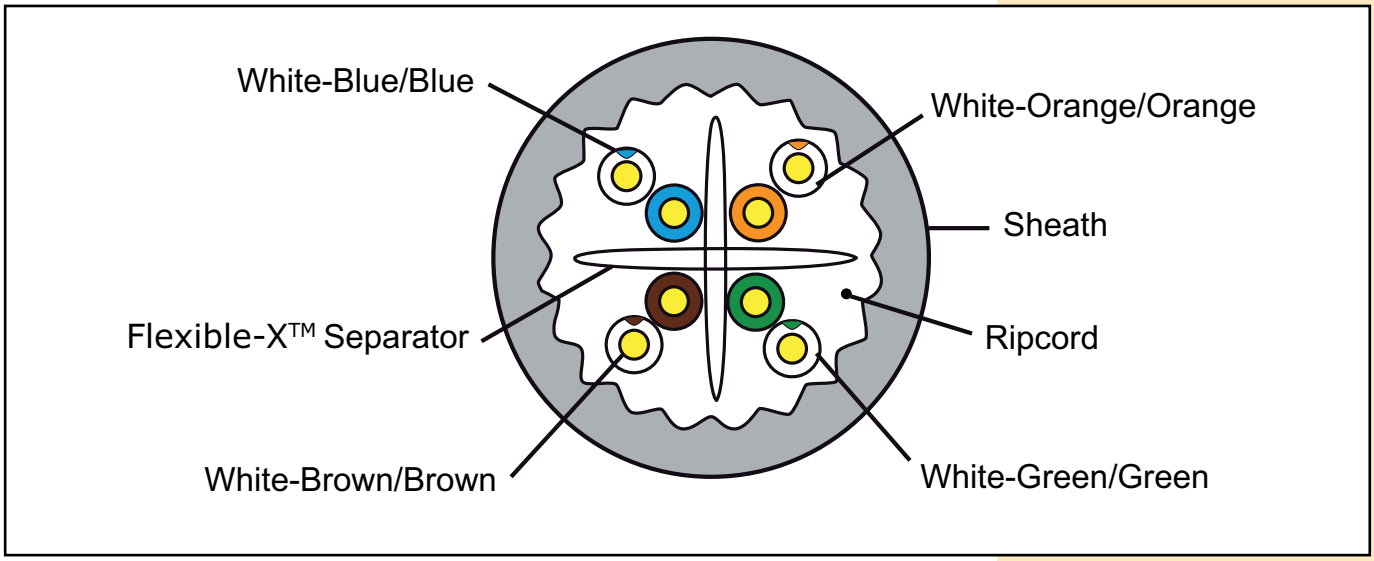
A Applications

LanPro Performax® LP-CA0R0VLB CAT 6A U/UTP Unshielded Network Cable, with gray color LSZH-rated Level 3 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.C.2, DELTA Approval No. 2014-111, IEC 60332-3			
Conductor	Material	100% Copper		
	AWG #	23		
	Nominal Diameter (mm)	0.570	Positive tolerance	+0.005
			Negative tolerance	-0.005
Isolation layer	Material	HDPE		
	Diameter (mm)	1.03±0.03		
Jacket	Thickness	0.65±0.05 mm		
	External Diameter, (O.D.)	6.9±0.4 mm		
	Surface finish	Clean		
	Material	LSZH Level 3, complies with RoHS		
	Color	Violet		
Markings	Letter height	3.0±0.3 mm		
	Color	Black		
	Print error & Space	≤ ±0.5%, 1m		
Core Color	1. Blue– White/Blue		2. Orange - White/Orange	
	3. Green - White/Green		4. Brown – White/Brown	
Packing	Box			
Packing length	305±1.0m			
Ripcord	Yes			
Jacket Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5		
	Elongation (%)	≥150		
	Aging Period (ºC×hrs) 100ºC×24h×7d			
	After Aging Tensile Strength (Mpa)	≥12.5		
	Elongation (%)	≥125		
	Cold bend (-20±2ºC×4h) 8×Cable O.D. No visible cracks			
Electrical characteristics 20ºC	Operating voltage	≤ 48 Vrms		
	Temperature rating	75°C.		
	Safety test voltage	1kv/1min. (DC).		
	Mutual Capacitance	4.2 nF/100 M nom.		
	Pair to ground	330pF/100m max.		
	Conductor DC resistance	9.2 Ohm/100m max. at 20°C.		
	DC Resistance Unbalance	5% máx.		
	Characteristic Impedance	100±15 Ohm 1~500 MHz.		
	Propagation Delay skew	45 ns/100 m máx. 1~500 MHz.		
	Velocity of Propagation	69%		

C Cable Structure



D Technical Performance (100m)

Freq. (MHz)	Insertion Loss	NEXT ≥dB	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	Delay ≤ns
1	2.1	74.3	72.3	67.8	64.8	570.0
4.0	3.8	65.3	63.3	55.8	52.8	552.0
8.0	5.3	60.8	58.8	49.7	46.7	546.7
10.0	5.9	59.3	57.3	47.8	44.8	545.4
16.0	7.5	56.2	54.2	43.7	40.7	543.0
20.0	8.4	54.8	52.8	41.8	38.8	542.1
25.0	9.4	53.3	51.3	39.8	36.8	541.2
31.25	10.5	51.9	49.9	37.9	34.9	540.4
62.5	15.0	47.4	45.4	31.9	28.9	538.6
100	19.1	44.3	42.3	27.8	24.8	537.6
200	27.6	39.8	37.8	21.8	18.8	536.5
250	31.1	38.3	36.3	19.8	16.8	536.1
300	34.3	37.1	35.1	18.3	15.3	536.1
500	45.3	33.8	31.8	13.8	10.8	535.6

E How to Order

LP-CA0R0VLB **LanPro Performax®, Unshielded Network Cable CAT 6A U/UTP, with violet color LSZH-rated Level 3 jacket, Low smoke Zero-Halogen, packed in 1000ft (305m) box.**