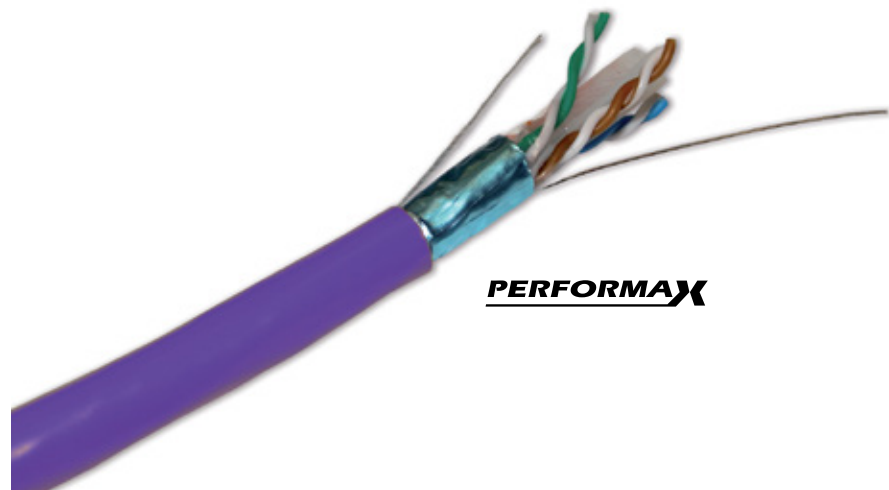


## LP-CA3J0VLC LanPro Performax®, Shielded Network Cable CAT 6A F/UTP, with violet color LSZH-rated jacket, Low Smoke Zero-Halogen

LPCA3J0VLC\_SS\_ENB01W

### Features

- Flexible.
- Superior performance to traditional designs.
- 568-A and 568-B compatible.
- Exceeds ANSI/TIA-568-C.2, ISO/IEC 11801, IEC 60332-1C requirements.
- Shielded F/UTP.
- Ripcord included.
- Drain Wire included.
- Backward compatible with CAT 6 and CAT 5e systems.
- Excellent price/performance ratio.
- Violet color jacket for easy identification.
- Flame rating: LSZH thermoplastic cover Jacket with a thickness of 0.60mm.
- CAT 6A is a robust product.
- Packaged in 1000 ft (305m) wood spool.
- Operating voltage: <48 Vrms.
- DELTA No. 2014-111
- Comply IEEE 802.3an (10G-BaseT) and 802.3af/at (PoE full power specs).



### LP-CA3J0VLC

#### LanPro Performax®, Shielded Network Cable CAT 6A F/UTP, with violet color LSZH-rated jacket, Low Smoke Zero-Halogen

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

### A Applications

LanPro Performax® LP-CA3J0VLC CAT 6A F/UTP Shielded Network Cable, with violet color LSZH-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.

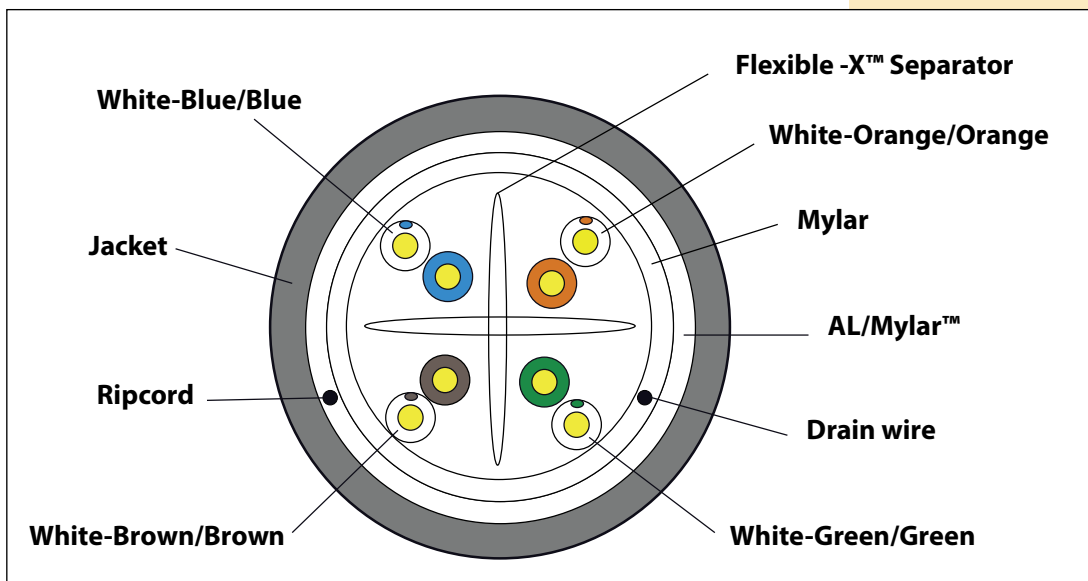
#### Important Note:

The LSZH 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.

## B Technical Specifications

<b>Standards</b>	ISO/IEC11801, TIA/EIA 568.C.2, DELTA Approval No. 2014-111, IEC 60332-1C			
<b>Conductor</b>	Material	100% Copper		
	AWG #	23		
	Nominal Diameter (mm)	0.565	Positive tolerance	+0.005
			Negative tolerance	-0.005
<b>Isolation layer</b>	Material	HDPE		
	Diameter (mm)	1.12±0.04		
<b>Screening Material</b>	Mylar+AL/Mylar®			
<b>Jacket</b>	Thickness	0.60±0.05 mm		
	External Diameter, (O.D.)	7.4±0.4 mm		
	Surface finish	Clean		
	Material	LSZH, complies with RoHS		
	Color	Violet		
<b>Markings</b>	Letter height	3.0±0.3 mm		
	Color	Black		
	Print error & Space	≤ ±0.5%, 1m		
<b>Core Color</b>	1.- White - Blue/Blue	2.- White - Orange/Orange		
	3.- White - Green/Green	4.- White - Brown/Brown		
<b>Packing</b>	Wood spool & Carton			
<b>Packing length</b>	305 ±1.5 m			
<b>Ripcord</b>	Yes	<b>Drain wire</b>	Yes	
<b>Jacket Physical properties</b>	Before Aging Tensile Strength (Mpa)	≥10.0		
	Elongation (%)	≥125		
	Aging Period (°C×hrs) 100°C×24h×7d			
	After Aging Tensile Strength (Mpa)	≥8.0		
	Elongation (%)	≥100		
	Cold bend (-20±2°C×4h) 8×Cable O.D. No visible cracks			
<b>Electrical characteristics 20°C</b>	Impedance(Ω)	1.0-250.0MHz	100±15	
		251.0-500.0MHz	100±22	
	1.0-500.0MHz Delay Skew (ns/100m) ≤45			
	Unbalanced-to-ground capacitance (pf/100m) max	330		
	DC Resistance (Ω/100m) max.	9.38		
DC Conductor Resistance Unbalance (%) max.	5.0			

## C Cable Structure



## D Technical Performance (100m)

Freq. (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	Delay ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	-	74.3	570.0	72.3	68.0	65.0
4.0	23.0	3.8	65.3	552.0	63.3	56.0	53.0
8.0	24.5	5.3	60.8	546.7	58.8	49.9	46.9
10.0	25.0	5.9	59.3	545.4	57.3	48.0	45.0
16.0	25.0	7.5	56.2	543.0	54.2	43.9	40.9
20.0	25.0	8.4	54.8	542.1	52.8	42.0	39.0
25.0	24.3	9.4	53.3	541.2	51.3	40.0	37.0
31.25	23.6	10.5	51.9	540.4	49.9	38.1	35.1
62.5	21.5	15.0	47.4	538.6	45.4	32.1	29.1
100	20.1	19.1	44.3	537.6	42.3	28.0	25.0
200	18.0	27.6	39.8	536.5	37.8	22.0	19.0
250	17.3	31.1	38.3	536.1	36.3	20.0	17.0
300	16.8	34.3	37.1	536.1	35.1	18.5	15.5
500	15.2	45.3	33.8	535.6	31.8	14.0	11.0

## E How to Order

**LP-CA3J0VLC** LanPro Performax®, Shielded Network Cable CAT 6A F/UTP, with violet color LSZH-rated jacket, Low Smoke Zero-Halogen, packed in 1000ft (305m) wood spool.

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