

LP-CA3J0VLCT LanPro Performax®, Continuous Shielded Network Cable CAT 6A

F/UTP, with violet color LSZH-rated jacket, Low Smoke Zero-Halogen, with RJ45 connector at the end.

LPCA3J0VLCT_SS_ENB01W

Features

- Flexible.
- Superior performance to traditional designs.
- 568-A and 568-B compatible.
- Exceeds ANSI/TIA-568-D, ISO/IEC 11801, IEC 60332-1C requirements.
- Continuous 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.
- ETL No.105135730CRT-001b.
- Comply IEEE 802.3an (10G-BaseT) and 802.3af/at (PoE full power specs).
- Supports PoH.
- No polytetrafluoroethylene (PTFE) also known as Teflon neither Silicon jackets are used on this family of cables.
- The scope of applications of these cables are data centers and data communication.
- The cross section on this cables is 0.25mm²

PERFORMAX



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LanPro Performax®, Continuous Shielded Network Cable CAT 6A F/UTP, with violet color LSZH-rated jacket, Low Smoke Zero-Halogen, with RJ45 connector at the end.

LanPro Performax®, Continuous 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-D, 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-CA3J0VLCT CAT 6A F/UTP Continuous 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.

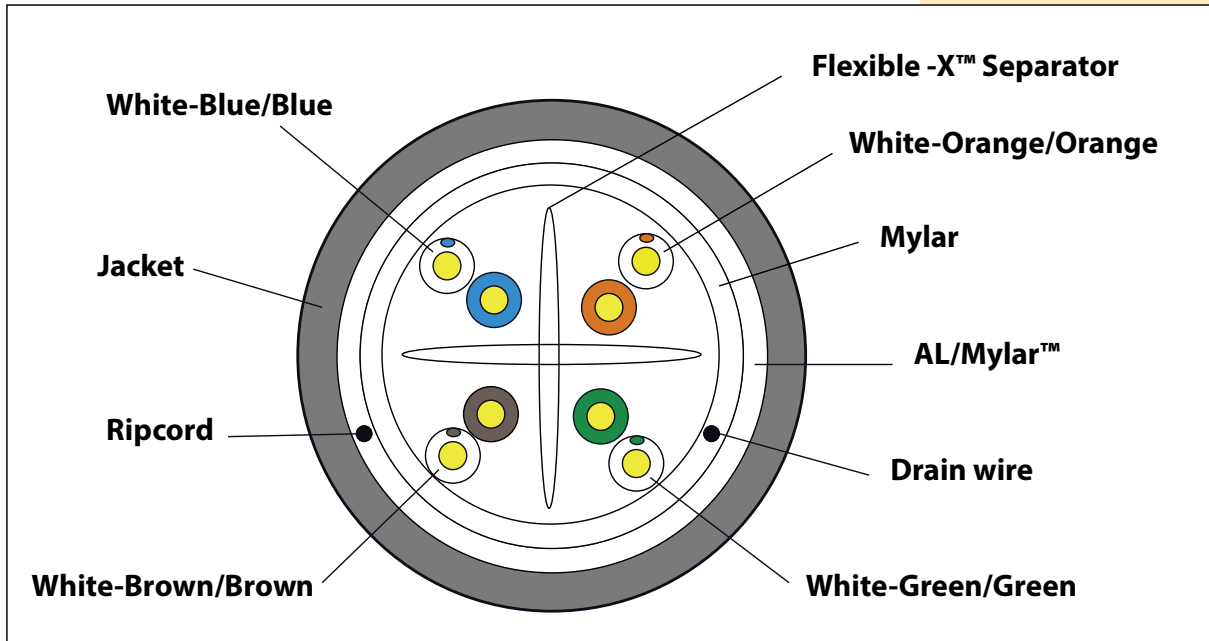
Important Note:

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

Standards	ISO/IEC11801, TIA/EIA 568.D, ETL No.103194824CRT-001, IEC 60332-1C, IEC 60332-3A, IEC 60754 e IEC 61034.			
Conductor	Material	100% Copper		
	AWG #	23		
	Nominal Diameter (mm)	0.565	Positive tolerance	+0.005
			Negative tolerance	-0.005
Isolation layer	Material	HDPE		
	Diameter (mm)	1.12±0.04		
Screening Material	Mylar+AL/Mylar®			
Jacket	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		
Markings	Letter height	3.0±0.3 mm		
	Color	Black		
	Print error & Space	≤ ±0.5%, 1m		
Core Color	1.- White - Blue/Blue	2.- White - Orange/Orange		
	3.- White - Green/Green	4.- White - Brown/Brown		
Packing	Wood spool & Carton			
Packing length	305 ±1.5 m			
Ripcord	Yes	Drain wire	Yes	
Jacket Physical properties	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			
Electrical characteristics 20°C	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

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