

**LP-XCAPUSXX CAT 6A RJ45, X-Class Jack, 90° IDC,
Robotic Manufactured Keystone® Compatible Unshielded Jack**

LPXCAPUSXX_SS_SPB01W

Features

- X-Class Series is easy to connect with specialized tool LPT-Xfast by LanPro. Rapid and precise termination. Can be used in tight spaces. More effectiveness, less drama.
- Supports the most demanding network applications.
- A better mechanical design provides peace of mind to the user and technician as well.
- Ideal to be used with iMC® patch panels (shielded and unshielded) for great versatility and labor savings.
- Excellent response along the whole workable range, well over 500MHz+.
- Keystone Jack, CAT 6A, UTP, 90° IDC, for Communication applications in the work area.
- It Fits for CAT 6A unshielded general cable distribution system, backward compatible with Unshielded CAT 6, CAT 5e and CAT 5 systems Keystone Jack.
- Compliant with ISO/IEC 11801. 2002 CLASS & ANSI/TIA 568-C.2 CAT 6A T568-A and T568-B punching sequences are both compatible.
- Compliant with IEC 60603-7-5.
- Connection type FCC connector for RJ45 patch cords and IDC for 4-pair CAT 6A cables.
- UL® and ULc® certified.
- Our standard, uncluttered style allows compatibility with many other brands and systems.
- Compact and practical design.
- High performance copper alloy contacts with 50 micro-inches of gold plating.
- 750 mating cycles minimum for RJ45 as per ISO IEC 1801, IEC 6063-7-5.
- 250 mating cycles minimum for IDC.
- Material: ABS UL94V-0.
- Positive latch system.
- Suitable for 23-26 AWG solid and stranded cable.
- Compatible with 110 punch-down tools.
- Competitively priced.
- Different colors under request.



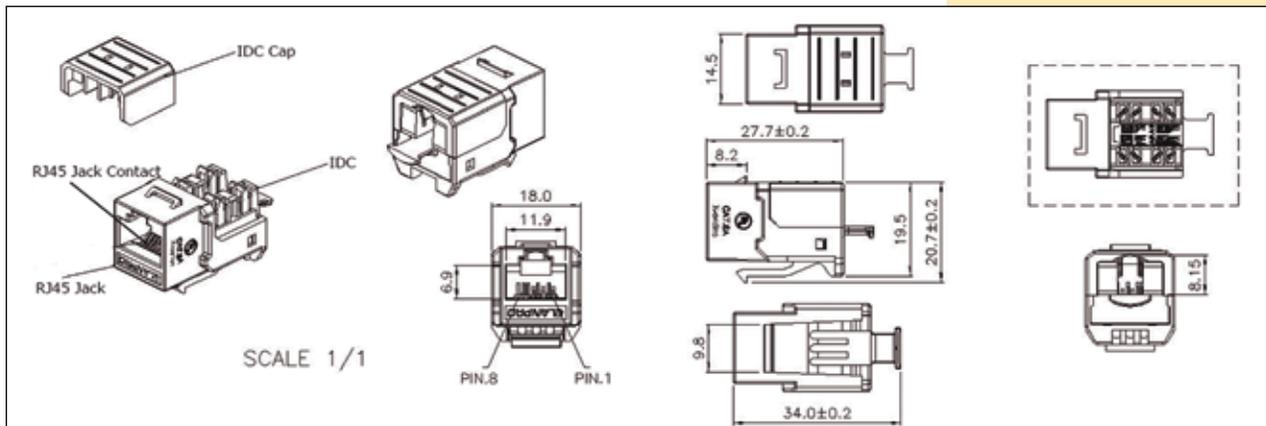
**LP-XCAPUSXX
CAT 6A RJ45, X-Class Jack, 90° IDC,
Robotic Manufactured Keystone® Compatible
Unshielded Jack.**

LanPro X-Class premium Connectivity System offers versatility by using a universal termination module and termination method for all RJ45 connections. You can use same tool and procedures for all our categories, CAT 5e, CAT 6, and CAT 6A. Both the new X-Class 10G Jacks and the iMC® modular panels provide performance margins when installed as part of X-Class System. An Unmatched performance that exceeds all parameters specified in the CAT 6A standard. All UL® approved. All operation characteristics including NEXT, FEXT, Insertion Loss and Return Loss have been set to guarantee transmission performance all over the workable range. Stop waiting money and take control of your network with LanPro X-Class premium line of connectivity products. Used all over the world in the most stringent applications, from commercial malls to airports, hotels and data centers.

A Specifications

Material	RJ45 Jack	Housing	ABS+PC, UL 94-V0 (optional color)	
		Contact Bracket	PBT+Glasss Fiber, UL 94V-0	
	RJ45 Contact	Material	Phosphor Bronze with Nickel Plate	
		Finish	50 Micro-inch Gold Plating on plug contact area	
	IDC	Housing	PC, UL 94V-2 Gray color	
		Terminal	Phosphor Bronze with Tin Plating	
		Cap	PC, UL 94V-2 Transparent black	
PCB	FR4, UL 94V-0			
Performance	Compliance of ISO/IEC 11801. ANSI/TIA/EIA 568-C.2 CAT 6A for both T568-A and T568-B punching sequences. T568A & T568B wiring			
	Insertion Force	20N max. (IEC 60603-7-4)		
	Retention Strength	7.7 Kg between Jack and Plug		
	Operating Temperature	-10°C to 60°C. (ISO/IEC 11801, ANSI/TIA 568 C.2)		
	Life(Mating Cycles)	Jack	750 Cycles min. (ISO/IEC 11801, IEC 60603-7-4)	
		IDC	Suitable for 23-26 AWG stranded and solid wire, compatible with 110 punch down tool	
The CAT 6A transmission performance is in compliance with the ANSI/TIA 568C.2 standard				
Certifications	UL® and ULc® certified			
Connection type:	FCC Connector for RJ45 patch cord and IDC for 4-pair CAT 6A cables.			
Compatibility	Fit for CAT 6A general cable distribution system. Backward compatible with CAT 6, CAT 5e and CAT 5 systems.			
Punch tool	110 & Kröne. Recommended Tool: LanPro LPT-Xfast modular tool			
Dimensiones	Width: 18.0 mm Height: 20.7 mm. Depth: 37.0 mm.			
Dynamic and electrical Specs	Insertion Loss	At 100MHz TIA: 0.21 dB; At 250MHz TIA: 0.30 dB; At 500MHz TIA: 0.46 dB		
	Dielectric Strength:	1KV for few moments. (referred to ground) dry spaces		
	Max current:	1.35Amp@ 25oC (1Amp recommended for wide temperature range)		
	Max contact resistance:	19m/Ohm		
Insulation:	Minimum 490 m/Ohm (depend of temperature and humidity)			
Nota:	The micro-inch (μ in) is a common imperial unit of distance equal to one millionth of an inch, or 25.4 nanometers (nm), or 1μ in = 0.0254 μ m.			

B Dimensional Diagram.



C Certification



Cable ID: LANPRO-CAT6A UTPCHAN

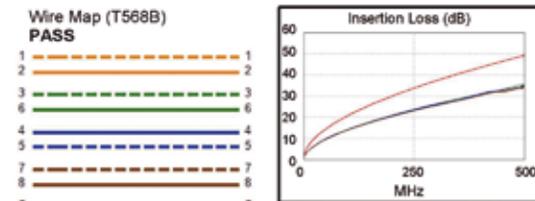
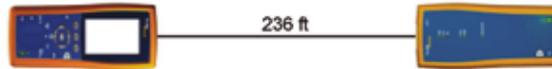
Test Summary: PASS

Date / Time: 08/29/2018 08:53:50 AM
 Headroom 5.1 dB (NEXT 36-78)
 Test Limit: TIA Cat 6A Channel
 Cable Type: Cat 6A U/UTP
 Calibration Date: 06/28/2018

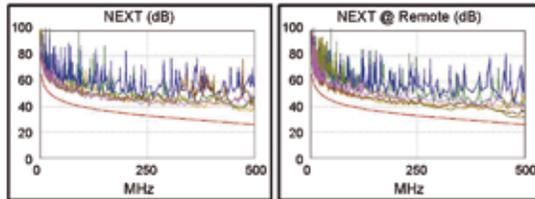
Operator: LANPRO NETWORKS
 Software Version: 2.7800
 Limits Version: 1.9500
 NVP: 68.2%

Model: DTX-1800
 Main S/N: 9514069
 Remote S/N: 9514070
 Main Adapter: DTX-CHA002
 Remote Adapter: DTX-CHA002

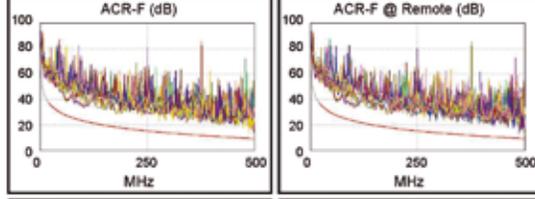
Length (ft), Limit 328	[Pair 78]	236
Prop. Delay (ns), Limit 555	[Pair 36]	370
Delay Skew (ns), Limit 50	[Pair 36]	19
Resistance (ohms)	[Pair 36]	11.0
Insertion Loss Margin (dB)	[Pair 36]	13.7
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	49.3



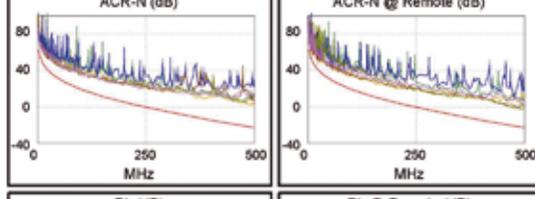
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	12-36	36-78
NEXT (dB)	7.6	5.1	10.3	5.1
Freq. (MHz)	70.3	491.0	492.0	491.0
Limit (dB)	42.5	26.3	26.3	26.3
Worst Pair	45	36	36	36
PS NEXT (dB)	8.0	5.5	10.4	5.5
Freq. (MHz)	163.5	482.0	465.0	482.0
Limit (dB)	33.4	23.7	24.1	23.7



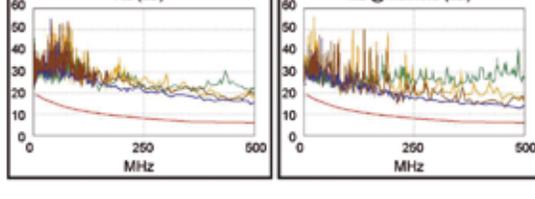
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-12	12-36	36-12	12-36
ACR-F (dB)	5.0	3.8	5.0	3.8
Freq. (MHz)	499.0	499.0	499.0	499.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	12	36	12	36
PS ACR-F (dB)	6.0	7.5	6.0	7.5
Freq. (MHz)	500.0	499.0	500.0	499.0
Limit (dB)	6.3	6.3	6.3	6.3



	Worst Case Margin		Worst Case Value	
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	36-78
ACR-N (dB)	11.2	9.9	24.4	19.8
Freq. (MHz)	23.6	6.8	500.0	491.0
Limit (dB)	40.5	54.0	-23.2	-22.5
Worst Pair	78	36	36	36
PS ACR-N (dB)	11.0	9.8	25.0	19.8
Freq. (MHz)	5.4	8.3	500.0	491.0
Limit (dB)	53.7	49.5	-26.1	-25.4



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	8.3	6.0	8.8	6.0
Freq. (MHz)	6.0	489.0	491.0	489.0
Limit (dB)	19.0	6.0	6.0	6.0



Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 10GBASE-T ATM-25
 ATM-51 ATM-155 100VG-AnyLan
 TR-4 TR-16 Active TR-16 Passive

LinkWare™ PC Version 9.3

Project: LANPRO TESTING
 Untitled1

Site: LANPRO LABS



D How to Order

LP-XCAPUSXX, CAT 6A RJ45, X-Class Jack, 90° IDC, Robotic Manufactured Keystone® Compatible Unshielded Jack.

LP-XCAPUS	
CAT 6A RJ45, X-Class Jack, 90° IDC, Robotic Manufactured Keystone® Compatible Unshielded Jack	
XX= Color	
WH:	White
BK:	Black
OR:	Orange
RD:	Red
GN:	Green
BL:	Blue
GR:	Grey
YL:	Yellow
IV:	Ivory

Examples:

- LP-XCAPUSWH**
- 8000 Series CAT 6A 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack, 90° IDC, White Color.
- LP-XCAPUSBK**
- 8000 Series CAT 6A 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack, 90° IDC, Black Color.
- LP-XCAPUSBL**
- 8000 Series CAT 6A 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack, 90° IDC, Blue Color.

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