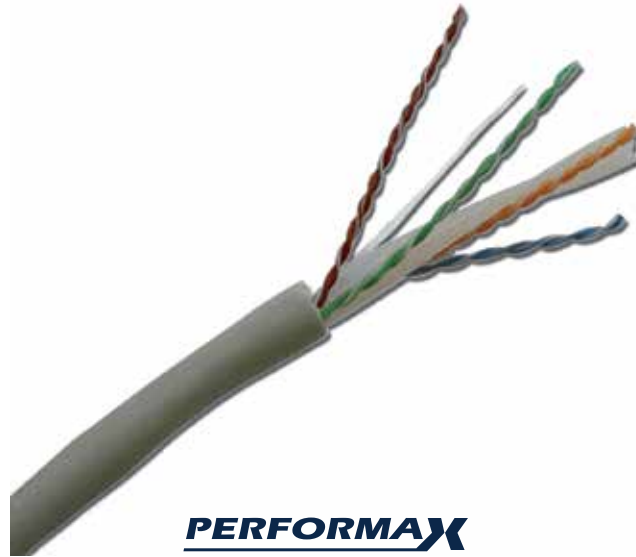


## LP-CA000XXB Unshielded LanPro Performax® CAT 6A U/UTP Network Cable, CMX rated.

LPCA000XXB\_SS\_ENB01W

### Features

- Specified and Tested to 500 MHz.
- Lower Bit Error Rates increases network efficiency and uptime.
- UL and ULc approved.
- 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.
- Available in gray and blue colors. Others upon request.
- 4 pairs 23 AWG UTP.
- Cover Jacket: CMX cover Jacket with a thickness of  $6.9\pm 0.4$  mm.
- Exceeds ISO/IEC 11801; ANSI/TIA/EIA-568-C.2, UL CMX.
- Flame Rating: CMX.
- Reliable CAT 6A is a robust product.
- Packaged in one convenient presentation.
- 1000 feet (305±1.5m) per box. 40.5\*40.5\*21cm easy-pull Boxes or wooden Tray(Optional).
- UL listed E329019.
- Operating voltage  $\leq 48$  Vrms.
- Comply IEEE 802.3an (10G-BaseT) and 802.3af/at (PoE full power specs).



### LP-CA000XXB Unshielded LanPro Performax® CAT 6A U/UTP Network Cable, CMX rated.

Unshielded LanPro Performax® CAT 6A U/UTP, CMX rated Network cable is the answer given by LanPro to the 10G channel demand imposed by today's high performance applications at reasonable prices. Tested to 500 MHz, the guaranteed performance of this cable meets the ANSI/TIA 568C.2 and ISO/IEC 11801 requirements, making it ideal for high-end transmission links supporting today's networking protocols.

Now with "Flexible-X™" construction, LanPro Performax® 6A U/UTP cable maintains the geometry of the pairs throughout the length of the cable, improving field installation as well as performance over 100 meter, 4 connector topologies.

Unshielded LanPro Performax® CAT 6A U/UTP, CMX rated Network cable is available for immediate delivery in gray and blue colors, other colors available under request.

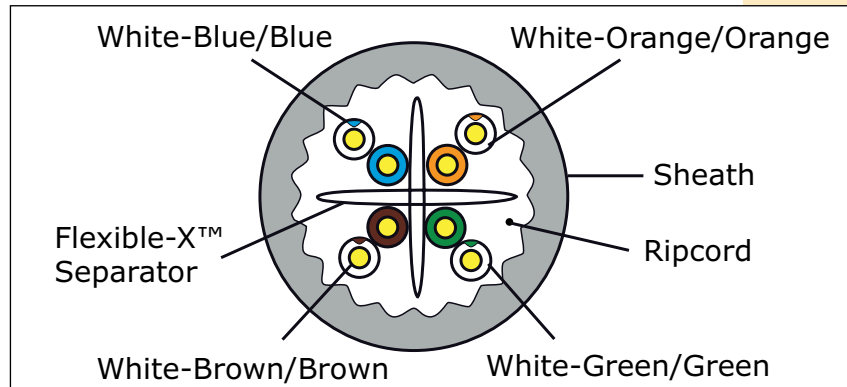
#### Important Note:

LanPro CAT 6A Performax® CMX cables is intended for use in residential applications whose main duty in case of fire is to avoid its propagation along horizontal cabling installations. The chemicals used to produce such stopping of fire propagation need substances that have high quantities of halides. CMX cables when taking fire generate fumes that contain these halides. LanPro recommends to be cautious the use of CMX in public places.

## A Applications

Category 6A U/UTP cable is intended for high speed data applications including: 10G BASE-T, 10BASE-T, 155 Mb/s ATM, 4/16 Mb/s Token Ring.

## B Specifications



### Construction Type

U/UTP 23AWG 0.57mm (0.023 in.) bare copper wire insulated with polyethylene. Two insulated conductors twisted together to form a pair and four such pairs cabled to form the basic unit with a CMX jacket.

### Twisted Pairs Color Code:

- PAIR 1: Blue, White-Blue.
- PAIR 2: Orange, White-Orange.
- PAIR 3: Green; White-Green.
- PAIR 4: Brown; White-brown.

### Central Isolation Member (Flexible-X-)

Maintains pair geometry before, during and after installation for optimal NEXT Loss performance.

### Rip Cord

For easy stripping.

### Cable Diameter

6.9±0.4mm max cable jacket diameter provides better pathway fill over larger 10Gb/s UTP cables.

### Standards Compliant

ISO/IEC 11801; ANSI/TIA/EIA-568-C.2, UL CMX.

### Physical Characteristics

Before Aging:

1. Tensile Strength (Mpa)  $\geq 13.5$
2. Elongation(%)  $\geq 150$

After Aging:

1. Tensile Strength(Mpa)  $\geq 12.5$
2. Elongation(%)  $\geq 125$

Cold bend(-20±2°×4h) 8×Cable O.D.No visible cracks.

### Component

1. Conductor: AWG 23 0.570±0.005 mm.
2. Insulators: HDPE.
3. Insulators Diameter: 1.03 ± 0.03 mm.
4. Jacket: PVC (Min. Thickness 0.65±0.05 mm).
5. Jacket Diameter: 6.9 ±0.4 mm.

● **Electric Characteristics**

1. Operating voltage: ≤ 48 Vrms.
2. Temperature rating: 75°C.
3. Safety test voltage: 1kv/1min. (DC).
4. Mutual Capacitance: 4.2 nF/100 M nom.
5. Pair to ground : 330pF/100m max.
6. Conductor DC resistance: 9.2 Ohm/100m max. at 20°C.
7. DC Resistance Unbalance: 5% max.
8. Characteristic Impedance: 100±15 Ohm 1~500 MHz.
9. Propagation Delay skew: 45 ns/100 m max. 1~500 MHz.
10. Velocity of Propagation: 69%.

● **Technical Performance**

<b>FREQ</b> <b>MHz</b>	<b>Insertion Loss</b> <b>(max. dB/100m)</b>	<b>NEXT</b> <b>(min. dB)</b>	<b>PSNEXT</b> <b>(min. dB)</b>	<b>ELFEXT</b> <b>(min. dB)</b>	<b>PSELFEXT</b> <b>(min. dB)</b>	<b>DELAY</b> <b>(max. ns at 20..)</b>
1	2.1	74.3	72.3	67.8	64.8	570
4	3.8	65.3	63.3	55.8	52.8	552
8	5.3	60.8	58.8	49.7	46.7	546.7
10	5.9	59.3	57.3	47.8	44.8	545.4
16	7.5	56.2	54.2	43.7	40.7	543
20	8.4	54.8	52.8	41.8	38.8	542.1
25	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.
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

**C How to Order**

**LP-CA000GRB CAT 6A Lanpro Performax® U/UTP Cable Solid 100% Copper CMX Gray color Jacket 1000 ft box.**

**LP-CA000BLB CAT 6A Lanpro Performax® U/UTP Cable Solid 100% Copper CMX Blue color Jacket 1000 ft box.**

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