**LP-C6020BLB LanPro Reliable® CAT 6 type U/UTP Network Cable,
CMR-rated with Solid Copper Conductors and Flexible-X™ separator for symmetry
and Blue Jacket in 1000 ft (305 m) Easy-Pull Box.**

LPC6020BLB_SS_ENB01W

Features

◻ ETL verified to TIA/EIA 568B CAT 6.

◻ Very Flexible.

◻ Superior performance to traditional designs.

◻ 568-A and 568-B compatible.

◻ Exceeds TIA/EIA-568-C.2-1 and ISO/IEC 11801:2002 Class E, IEC61156-5, IEC60332-1-2, EN50288-6-1 y EN50173-1, UL 444, and UL 1666.

◻ Rugged Construction.

◻ Backward compatible with CAT 5e and CAT 5 systems.

◻ Excellent price/performance ratio.

◻ Blue color.

◻ Four (4) 23 AWG Twisted Pairs.

◻ Flame rating: CMR thermoplastic cover Jacket with a thickness of 0,48 mm.

◻ Reliable 6 is a robust product.

◻ Packaged in one convenient presentation: 1000 feet(305m) in a Easy-Pull Box.

◻ Weight: 28lb (12.5Kg).

◻ The Geometry is better with Flexible-X™ technology.

◻ Operating voltage: ≤48 Vrms.

◻ UL E329019.

◻ ETL 4003289.

DANGER Toxic fumes in the event of fire. **48V** **75°C** **CMR** **ETL**

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Unshielded Reliable® CAT 6 U/UTP Network CMR-rated Cable is the answer given by LanPro to the demand imposed by today's high performance applications at reasonable prices. Tested to well over 250 MHz, the guaranteed performance of this cable meets the ANSI/TIA-568-C.2-1, ISO/IEC 11801, UL 444, and UL 1666 requirements, UL registered E329019 and ETL No. 4003289, making it ideal for transmission links supporting today's networking protocols.

A   Applications

CMR rated Category 6 U/UTP cable is intended for high speed data applications, including 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, suitable to be used in riser installations which rise between floors. Riser cables may also penetrate other fire rated walls or floors.
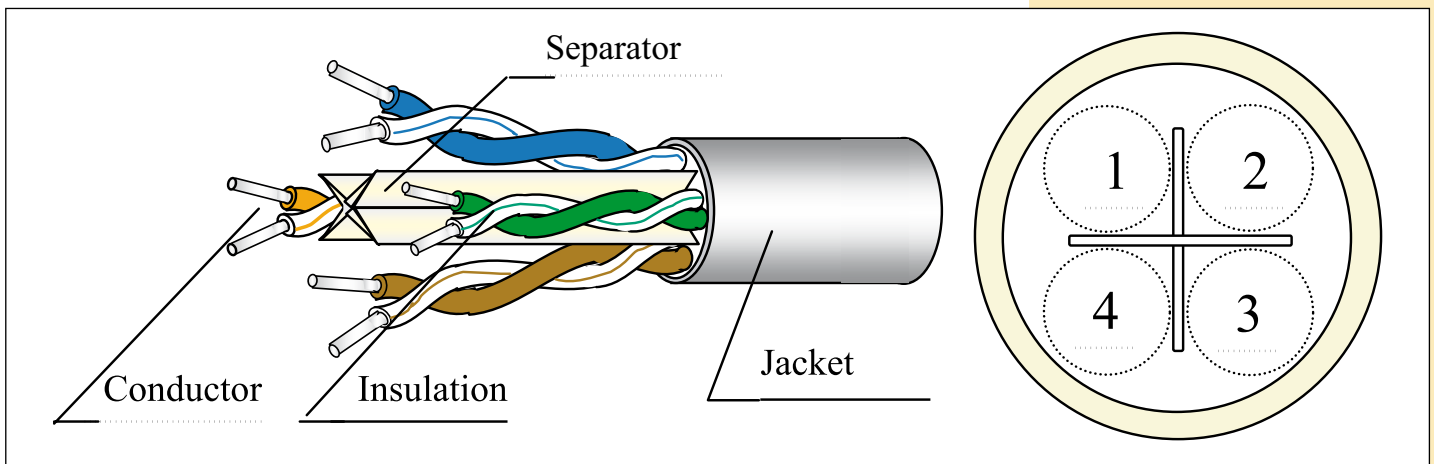
IMPORTANT NOTE:
LanPro CAT 6 CMR Reliable® Cable is intended for use in riser applications whose main duty in case of fire is to avoid its propagation among building floors. The chemicals used to produce such stopping of fire propagation need substances that have high quantities of halides.

When taking fire, CMR cables generate fumes that contain these halides which react with water present in the environment and producing hydrochloric acid, a very irritant mist that produces suffocation when inhaled. LanPro recommends caution on the use of CMR in public places.

B Technical Specifications

Materials	
Conductors	4 pairs AWG 23 Solid 100% Copper
Jacket	CMR Blue
ETL Compliant	4003289
Electrical	
Impedance	100Ω±15%, 1 MHz to 100 MHz, ±22%, 125 MHz to 250 MHz
Propagation delay	536 ns/100 m max. @ 250 MHz
Skew	45 ns/100 m max. @250 MHz
Mutual Capacitance	5.1 nF max/100 m
Capacitance imbalance	160 nF max/100 m
Conductor resistance	8.9Ω max/100 m
Resistance imbalance	2% @ 20 ºC
Isolation Resistance @500V	Min 5000MΩ/Km @ 20 ºC
Test Voltage(1 min)	1KV /1 min (DC)
Operating Voltage	≤48 Vrms
Mechanical	
Conductor diameter	0.57 mm
Insulation Diameter	0.23 mm
Outer diameter (nominal)	6.4 mm
Tension strenght	>9MPa, (9000KN/Square Meter)
Bending Radius	8xexternal dia. during install, 4xexternal dia. afterwards
Operating Temperature	-20 ºC to 75 ºC
Installation Temperature	0 ºC to 50 ºC
Storage Temperature	-20 ºC to 75 ºC

C Morphology

Separator

Conductor   Insulation   Jacket

1 2
4 3

D Network Specifications

Frequency	Attenuation (Horizontal Cable)	NEXT pair-pair	NEXT Power sum	ELFEXT pair-pair	ELFEXT Power sum	Return Loss	Propagation Delay
MHz	dB/100m	dB	dB	dB	dB	dB	ns/100m
1	2.0	74.3	72.3	67.8	64.8	20.0	570.0
10	6.0	59.3	57.3	47.8	44.8	25.0	545.4
31.25	10.7	51.9	49.9	37.9	34.9	23.7	540.4
62.5	15.5	47.4	45.4	31.9	28.8	21.6	538.6
100	19.9	44.3	42.3	27.8	24.8	20.2	537.6
155	25.3	41.5	39.5	23.9	20.9	18.8	536.9
200	29.2	39.8	37.8	21.7	18.7	18.0	536.5
250	33.0	38.3	36.3	19.8	16.8	17.4	536.3

E How to order

LP-C6020BLB

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