

LP-CE020BLB LanPro Reliable® CAT 5e U/UTP Network Cable, CMR-rated with Solid Copper Conductors, Blue Jacket, 1000 ft Pull Box.

LPCE020BLB_SS_ENB01W

Features

- Specified and tested to well over 100 MHz.
- Lower bit error rate increases network efficiency and uptime.
- Very flexible, reduces installation costs and maintenance.
- Superior performance to traditional designs.
- 568-A and 568-B compatible.
- Rugged construction.
- Backward compatible with CAT 5 and CAT 3 systems.
- Excellent price/performance ratio.
- Available in blue color. Others upon request.
- 4 pairs 24 AWG UTP cable.
- Jacket: CMR with a diameter of 5.3 ± 0.2 mm.
- Complies ISO/IEC 11801, ANSI/TIA/EIA-568-B.2, UL 444, and UL 1666.
- Flame rating: CMR.
- Reliable® CAT 5e is a robust product.
- Packaged in one convenient presentation: 1000 feet (305 ± 1.5 m) pull box.
- ETL Compliant 4003289.
- Operating voltage ≤ 48 Vrms.



48V

75°C

CMR

ETL

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Unshielded Reliable® CAT 5e 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 100 MHz, the guaranteed performance of this cable meets the ANSI/TIA-568-B.2, ISO/IEC 11801, UL 444, and UL 1666 requirements, making it ideal for transmission links supporting today's networking protocols.

UL certified for CMR riser floor to floor applications, ETL compliant 4003289, the unshielded LanPro Reliable® CAT 5e U/UTP Network Cable is available for immediate delivery in blue color. Other colors available under request.

A Applications

Category 5e U/UTP cable is intended for high speed data applications, including 100BASE-TX and 4/16 Mb/s Token Ring, to be used in riser installations which rise between floors.

Riser cables may also penetrate other fire rated walls or floors.

IMPORTANT NOTE:

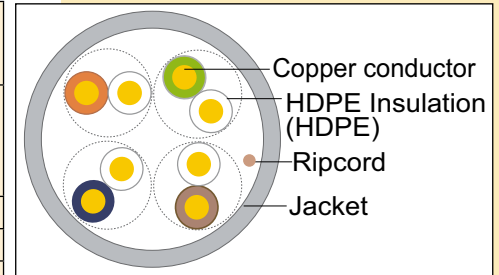
LanPro CAT 5e CMR Reliable® Cable is intended for use in riser applications whose main duty in case of fire is to avoid its propagation among building floors. The chemicals used to produce such stopping of fire propagation need substances that have high quantities of halides.

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



B Specifications

Construction type	24 AWG 0.51 mm 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 CMR jacket, by default.
Twisted pairs color codes	PAIR 1: Blue, White-Blue, twist pitch: 20 mm. PAIR 2: Orange, White-Orange, twist pitch: 17 mm. PAIR 3: Green, White-Green, twist pitch: 14 mm. PAIR 4: Brown, White-brown, twist pitch: 11 mm.
Ripcord	For easy stripping.
Cable diameter	5.3 ± 0.2 mm max cable jacket diameter.
Standards compliant	ISO/IEC 11801, ANSI/TIA/EIA-568-B.2, UL 444, UL 1666, ETL 4003289.
Certification	UL/RoHS Compliant.
Physical characteristics	1.- Tensile strength insulation: 2400 psi. 2.- Elongation(%) ≥ 300 (unaged). 3.- Jacket: tensile strength:2000 psi. 4.- Elongation: 100% unaged. 5.- Flame test: UL 444, UL 1666. 6.- Conductor resistance: 93.8 Ω/Km @ 20°C max. 7.-Safety test voltage: 1KV/1min (DC).
Component	1.- Conductor: AWG 24 0.48 mm. 2.- Insulators: Industrial Polyolefin HDPE. 3.- Insulators diameter: 0.92 mm. 4.- Jacket: CMR (min. 0.5 mm thickness). 5.- Jacket diameter: 5.3 ± 0.2 mm.
Electrical characteristics	1.-Operating voltage: ≤48 Vrms. 2.-Temperature rating: 75°C. 3.-Mutual capacitance: 5.6 nF/100 m nom. 4.-Pair to ground: 330 pF/100 m max. 5.-Conductor DC resistance: 93 Ω/Km max. at 20°C. 6.-DC resistance unbalance: 5% max. 7.-Characteristic impedance: 100 ± 15 Ohm 1~100 MHz.



- Traction: 13.8MPa
- Aging enlargement: 100%
- Aging conditions (C x hours): 100x240
- After-traction: E85 % MPa of a given date
- Aging enlargement after traction: E50% of a given date
- No cracking freezing Temp -5°C

Electrical characteristics								
MHz	RL	Loss dB/100M	NEXT	PSNEXT	ELFEXT	PS ELFEXT	PD nS/100m	PD Skew nS/100m
1	2.0	2.0	65.3	62.3	63.8	60.8	570	45
4	4.1	4.1	56.3	53.3	51.8	48.8		
8	5.8	5.8	51.8	48.8	45.7	42.7		
10	6.5	6.5	50.3	47.3	43.8	40.8	545	45
16	8.2	8.2	47.2	44.2	39.7	36.7		
20	9.3	9.3	45.8	42.8	37.8	34.8		
25	10.4	10.4	44.3	41.3	35.8	32.8		
31.25	11.7	11.7	42.9	39.9	33.9	30.9		
62.5	17.0	17.0	38.4	35.4	27.9	24.9		
100	22.0	22.0	35.3	32.3	23.8	20.8	538	45

C How to order

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