

LP-CE030BLB LanPro Reliable® CAT 5e U/UTP Network Cable, CMP-rated and ETL verified with Solid Copper Conductors, Blue Jacket, 1000 ft Pull Box.

LPCE030BLB_SS_ENB01W

Features

- CMP rated for Plenum applications.
- 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.
- Reliable® CAT 5e is a robust product.
- Exceeds ANSI/TIA-568-C.2, ISO/IEC 11801, CSA C22.2 No. 214/UL 444, CSA FT6.
- 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.
- Packaged in one convenient presentation: 1000 feet (305 ± 1.5m) pull box.
- Approximate weight: 28lb (12.5Kg).
- Operation voltage: ≤48 Vrms.
- ETL certified 4003289.



LP-CE030BLB LanPro Reliable® CAT 5e U/UTP Network Cable, CMP-rated "Plenum" and ETL verified with Solid Copper Conductors, Blue Jacket, 1000 ft Pull Box.

Unshielded Reliable® CAT 5e U/UTP Network CMP-rated Plenum 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 CSA FT6 requirements, making it ideal for transmission links supporting today's networking protocols.

ETL certified 4003289 for CMP riser floor to floor applications, the unshielded LanPro Reliable® CAT 5e U/UTP Network Cable is available for immediate delivery in blue color.

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:

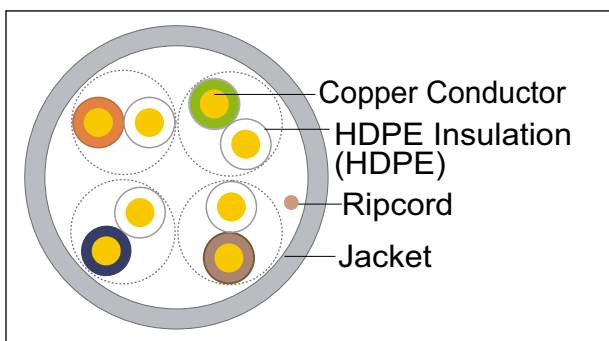
LanPro CAT 5e CMP Reliable® Cable is intended for use in Plenum applications whose main duty in case of fire is to avoid its propagation in plenum spaces. The chemicals used to produce such stopping of fire propagation need substances that have high quantities of halides.

CMP 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 its clients caution about the use of CMP in public places.

B Especificaciones Técnicas

Mechanical		
Conductor	Material	Soft Annealed bare Copper
	Construction[mm]/[inch]	0.498/0.0196
	Size [ÅWG]	24 AWG
Insulation	Material	FEP
	Thickness [mm]/[inch]	Nominal 0.178 / 0.0070
	Diameter [mm]/[inch]	0.86 + 0.02 / 0.0338 + 0.0079
	Colors	Blue/White-Blue
		Orange/White-Orange
Green/White-Green		
Brown/White-Brown		
Elongation [%]	Min. 300	
Twisted Pair	Assy. Diameter[mm]/[inch]	1.72 / 0.0677
	Lay Length[mm]/[inch]	33.99/≤1.4960
Cable Core	Formed by: 4 twisted pairs stranded together to form the main core	Diameter:3.5/0.1
	Detail: See structure	
	Lay Length[mm]/[inch]	120/≤4.7244
Jacket	Material Rating	CMP rated
	Nominal thickness[mm]/[inch]	0.498 / 0.0196
	Diameter[mm]/[inch]	5.2 + 0.2 / 0.2047 + 0.0079
	Color	Blue
Rip Cord	Included	
Electrical		
Conductor	Resistance Ω/100m @ 20°C	Max. 9.38
	Resistance Unbalance	Max 5%
	Capacitance Unbalance	Max 330pF/100m
	Mutual Capacitance	Max 560pF/100m
	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
	Test Voltage(1 min)	1.5KV /1 min (DC)
	Insulation Resistance	≥5000MΩ Km(DC500V Charged 1 min)
	Operating Voltage	48 Vrms
Physical		
	Tensional Force	>9MPa, (9000KN/Square Meter)
	Bending Radius	8 x external dia. during install, 4xexternal dia. afterwards
	Operation Temperature	-20°C to 75°C
	Installation Temperature	0°C to 50°C
	Storage Temperature	-20°C to 75°C

C Construction



D Certification Specifications

Item f[MHz]	RL >dB/100m	Attenuation >dB/100m	NEXT >dB/100m	PSNEXT >dB/100m	ELFEXT >dB/100m
1	17.0	3.0	60.0	57.0	57.4
4	17.0	4.5	53.6	50.6	45.3
10	17.0	7.1	47.0	44.0	37.4
16	17.0	9.1	43.6	40.6	33,3
20	17.0	10.2	42.0	39.0	31.4
25	16.0	11.4	40.4	37.4	29.4
31.25	15.1	12.9	38.7	35.7	27.5
62.5	12.1	18.6	33.6	30.6	21.5
100	10.0	24.0	30.1	27.1	17.4
200	10.0	36.5	25.8	22.8	15.4
300	8.0	44.0	23.2	20.2	11.2
350	7.0	47.0	22.2	20.2	10.0

Note: Tested to 350 MHz, Guaranteed performance to 100 100MHz

E How to Order

LP-CE030BLB LanPro Reliable® CAT 5e U/UTP Network Cable, CMP-rated and ETL verified with solid copper conductors, blue jacket, 1000 ft pull box.