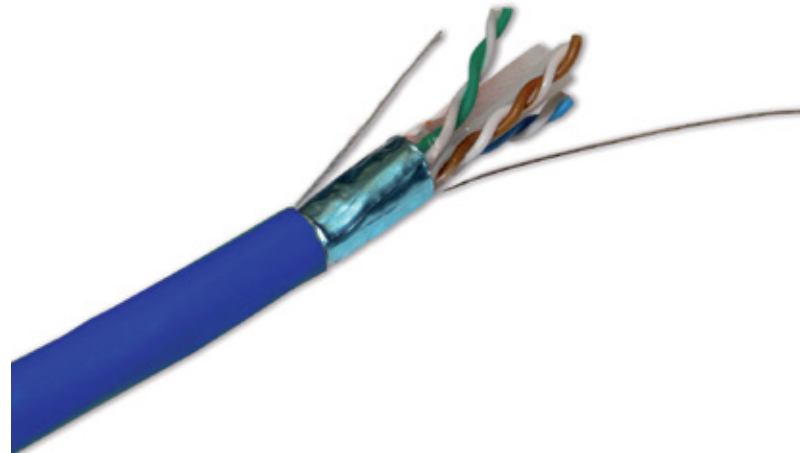


LP-C6320BLC LanPro Reliable® CAT 6 type F/UTP Shielded Network Cable, CMR-rated with Solid Copper Conductors and Flexible-X™ separator for symmetry and Blue jacket, packed in a 1000 ft (305 m) wood spool.

LPC6320BLC_SS_ENB01W

Features

- Very Flexible.
- Superior performance to traditional designs.
- 568-A and 568-B compatible.
- Exceeds TIA/EIA-568-C.2 and ISO/IEC 11801:2002 Class E, UL 1581, UL 444, and UL 1666.
- Shielded F/UTP.
- Rip Cord included.
- Drain Wire included.
- Backward compatible with CAT5e and CAT5 systems.
- Excellent price/performance ratio.
- Blue color jacket.
- Four (4) 23 AWG Twisted Pairs.
- Flame rating: CMR thermoplastic cover Jacket with a thickness of 0.60 mm.
- Reliable™ CAT6 is a robust product.
- Packaged in one convenient presentation: 1000 feet (305m) wood spool.
- Weight: 32lb (14.5Kg).
- The Geometry is better with Flexible-X™ technology.
- Operating voltage: <48 Vrms.
- UL E329019.

Flexible
X™

1G

48V

75°C

CMR

EC
VERIFIED

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Blue colored jacket shielded LanPro Reliable® CAT 6 F/UTP Network CMR-rated for raiser applications 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, ISO/IEC 11801, UL registered E329019, making it ideal for transmission links supporting today's networking protocols.

A Applications:

Shielded LanPro Reliable® **LP-C6320BLC** CAT 6 F/UTP Network CMR-rated is intended for high speed data applications, including 1 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. Raiser Cables can pass through walls or floor with fire rating classification.

IMPORTANT NOTE:

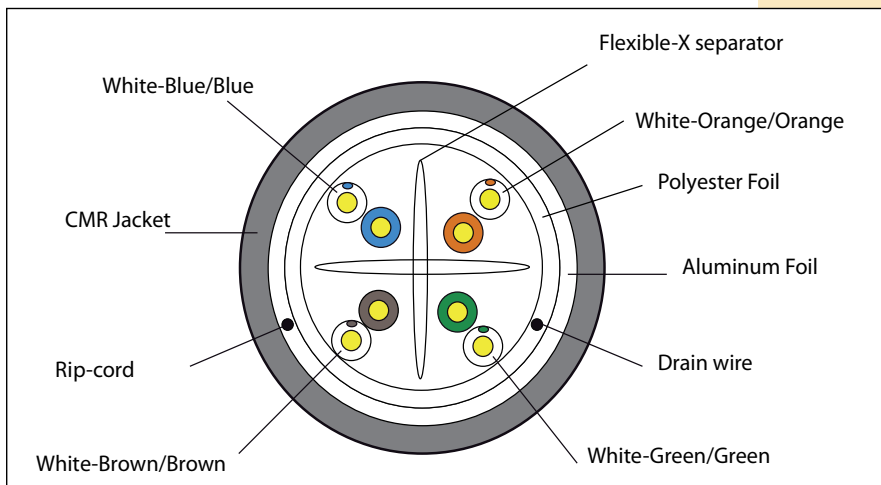
Shielded LanPro Reliable® **LP-C6320BLC** CAT 6 F/UTP Network CMR-rated belongs to a class of Raiser cables, and may be used in Raiser areas in commercial areas. The cables are flame tested and are intended for use in riser applications whose main duty in case of fire is to avoid its propagation among 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:

Standards	ISO/IEC11801, TIA/EIA 568-C.2, UL444, UL1581, UL1666, UL E329019.			
1.- Conductor	Material	Copper 100%		
	AWG #	23		
	Diámetro nominal (mm)	0.570	Positive tolerance	+0.005
			Negative tolerance	-0.005
2.- Isolation layer	Material	HDPE (High Density Polyethylene)		
	Diameter (mm)	1.09 ± 0.03		
	Color	A- Blue, White-Blue	B- Orange, White-Orange	
		C- Green, White-Green	D- Brown, White-Brown	
3.- Rip Cord	Yes			
4.- Separator core	Flexible -X™			
5.- Drain Wire	Yes			
6.- Jacket	Thickness	0.60 ± 0.05 mm		
	External Diameter, (O.D.)	7.4 ± 0.4 mm		
	Surface finish	Clean, Satinized		
	Material	CMR, complies with RoHS		
	Color	Blue		
7.- Markings	Type height	3.0 ± 0.3 mm		
	Color	Black		
	Print error & Space	≤ ± 0.5%, 1m		
8.- Packaging	Wood Spool.			
	Product length	305 ±1.5 m		
	Weight	32lb (14.5 Kg)		
9.- Physical properties	Temperature Range	-20 °C a 75 °C		
10.- Mechanical Characteristics	Tensile strength before Aging (Mpa)	≥ 13.5		
	Elongation before aging (%)	≥ 150		
	Aging Period (°C x hours)	100 °C x 24 h x 7d		
	Tensile strength after Aging (Mpa)	≥ 12.5		
	Elongation after aging (%)	≥ 125		
	Cold Bend (-20+2 °C x 4h)	No visible cracks		
	Bending Radius	8 x external Dia. during install, 4 x external Dia. afterwards		
11.- Electrical properties @ 20 °C	Isolation resistance @500 V	Min 5000 MΩ/Km		
	Zo (1.0 – 250.0 MHz)	100 ± 15 Ω		
	Delay skew @20 °C (1.0 – 250.0 MHz)	≤45 ns/100m		
	Propagation Velocity (% °C)	69%		
	Mutual capacitance	5.6 nF max/100 m		
	Capacitance imbalance	330 nF max/100 m		
	Maximum DC Resistance @ (20 °C)	9.38 Ω/100 m		
	Delay [ns/100m] @250 MHz	536 ns		
	% Resistance unbalance between conductors (Max)	5 %		
	Maximum Operating RMS AC Voltage	≤48		
	Peak Operating Voltage (DC)	≤68 V		
(DC) Test Voltage (1 minute)	1.0 KV/ 1 minute			

C Structure:



D Certification Characteristics:

Freq. (MHz)	RL >dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	PSNEXT >dB	ELFEXT >dB	PSELFEXT ≥dB
1	20.0	2.03	74.3	570.00	72.3	67.8	64.8
4	23.0	3.78	65.3	552.00	63.3	55.8	52.8
8	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10	25.0	5.95	59.3	545.38	57.3	47.8	44.8
16	25.0	7.55	56.2	543.00	54.2	43.7	40.7
20	25.0	8.47	54.8	542.05	52.8	41.8	38.8
25	24.3	9.51	53.3	541.20	41.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	36.3	19.8	16.8

E How to Order:

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