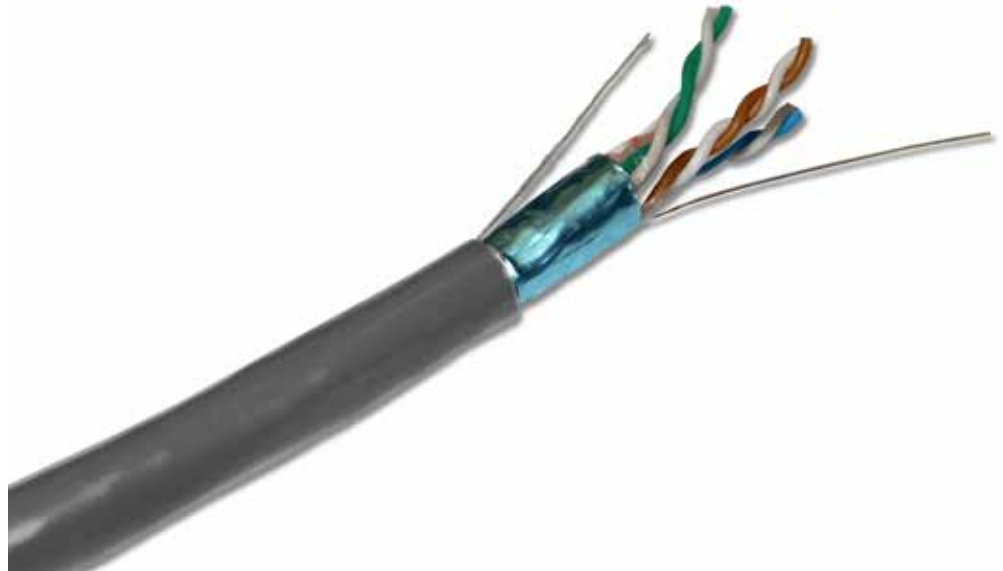


**LP-CE320XXC LanPro Reliable® CAT 5e F/UTP Network Cable, solid AWG 24 100% copper, Aluminum Foil shield with drain wire, with CMR-rated Jacket and ripcord in a 1000 ft (305m) wood spool.**

LPCE320XXC\_PFD\_ENB01W

### Features

- Flame rating: CMR.
- 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 FT1, UL 444 y UL 1666
- RoHS
- Backward compatible with CAT 5 and CAT 3 systems.
- Excellent price/performance ratio.
- 4 pairs 24 AWG F/UTP cable.
- Packaged in one convenient presentation: 1000 ft (305 ± 1.5m) wood spool.



**LP-CE320XXC  
LanPro Reliable® CAT 5e F/UTP Network Cable,  
solid AWG 24 100% copper, Aluminum Foil shield  
with drain wire, with CMR-rated Jacket and ripcord  
in a 1000 ft (305m) wood spool.**

Shielded Reliable® CAT 5e F/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-C.2, ISO/IEC 11801, CSA FT1, UL 444 and UL 1666 requirements, making it ideal for transmission links supporting today's networking protocols.

Compliant with the standards:

- ISO IEC 11801:2011
- IEC 61156-5 2009
- EN 50173-1 and 2
- EN50288-10
- ANSI/TIA-568-C
- IEC 60332-1 (1,2) >> Flammability, Acidity and Smoke performance.
- IEC 60754-1 (1,2) >> Flammability, Acidity and Smoke performance.
- IEC 61034 (1,2) >> Flammability, Acidity and Smoke performance.

Shielded LanPro Reliable® CAT 5e F/UTP Network Cable is available for immediate delivery in gray, blue and white color. Other colors available under request.

**A Applications:**

Category 5e F/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.

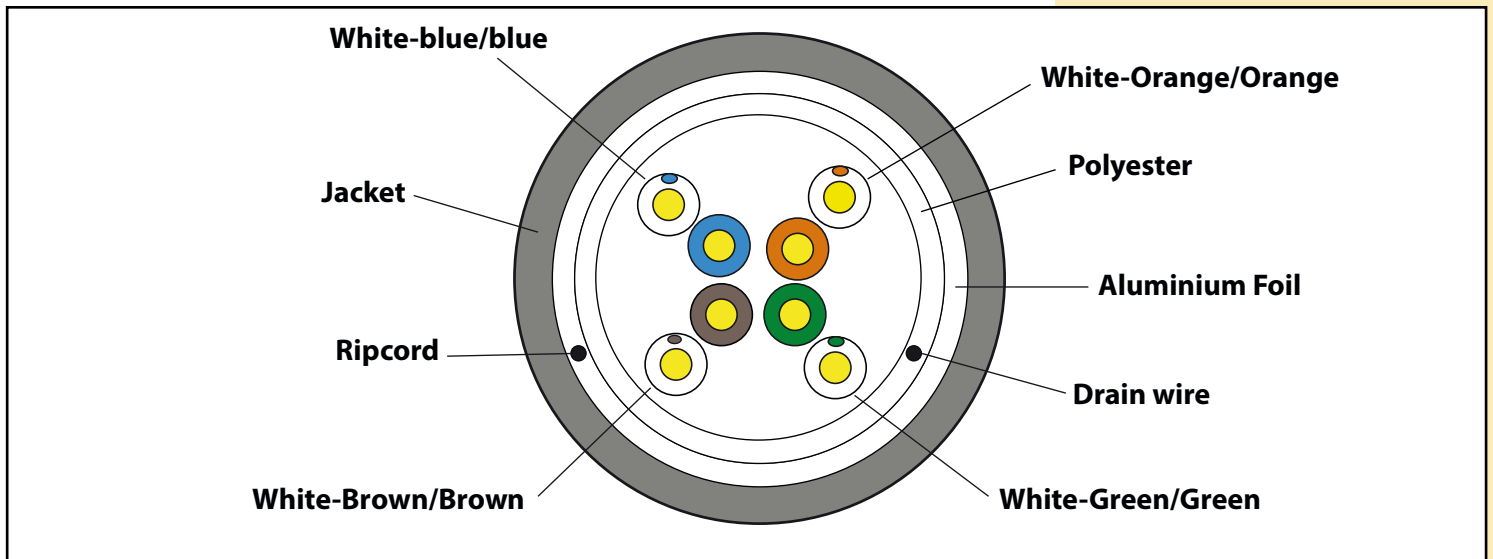
**B Technical Specifications:**

<b>Conductor</b>	Material	100% Copper		
	AWG #	24		
	Nominal Diameter (mm)	0.50	Positive tolerance	+0.005
			Negative tolerance	-0.005
<b>Insulation</b>	Material	HDPE		
	Diameter (mm)	0.95±0.03		
<b>Screening Material</b>	Aluminum Foil			
<b>Jacket</b>	Thickness	0.55±0.05 mm		
	External Diameter, (O.D.)	5.8±0.4 mm		
	Surface finish	Clean, Frap, Satination		
	Material	CMR, complies with RoHS		
	Color	Gray, Blue and White, other colors under request		
<b>Markings</b>	Letter height	3.0±0.3 mm		
	Color	Black		
	Print error &Space	≤ ±0.5%, 1m		
<b>Color</b>	1. White - Blue/Blue	2. White - Orange/Orange		
	3. White - Green/Green	4. White - Brown/Brown		
<b>Packing</b>	Wood spool & Carton			
<b>Carton dimension</b>	41x41x21cm			
<b>Packing length</b>	305±1.5m			
<b>Ripcord</b>	Yes	Drain wire	Yes	
<b>Jacket Physical properties</b>	Before Aging Tensile Strength (Mpa)	≥13.5		
	Elongation (%)	≥150		
	Aging Period (°C×hrs)	100°C×24h×7d		
	After Aging Tensile Strength (Mpa)	≥12.5		
	Elongation (%)	≥125		
	Cold bend (-20±2°C×4h) 8×Cable O.D.	No visible cracks		
<b>Electrical characteristics 20°C</b>	Impedance(Ω)	1.0-100.0MHz	100±15	
	1.0-100.0MHz Delay Skew (ns/100m)	≤45		
	Unbalanced-to-ground capacitance (pf/100m) max	330		
	DC Resistance (Ω/100m) max	9.5		
	DC Conductor Resistance Unbalance (%) max	5.0		

**C Technical Performance (100m):**

Frec.(MHz)	RL≥dB	ATT ≤dB	NEXT ≥dB	Delay ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.0	65.3	570.00	63.8	60.8	1
4.0	23.0	4.1	56.3	552.00	51.8	48.8	4
8.0	24.5	5.8	51.8	546.73	45.7	42.7	8
10.0	25.0	6.5	50.3	545.38	43.8	40.8	10
16.0	25.0	8.2	47.2	543.00	39.7	36.7	16
20.0	25.0	9.3	45.8	542.05	37.8	34.8	20
25.0	24.3	10.4	44.3	541.20	35.8	32.8	25
31.25	23.6	11.7	42.9	540.44	33.9	30.9	31.25
62.5	21.5	17.0	38.4	538.55	27.9	24.9	62.5
100	20.1	22.0	35.3	537.60	23.8	20.8	100

**D Cable structure:**



**E How to Order:**

- LP-CE320GRC** LanPro Reliable® CAT 5e F/UTP Network Cable, solid AWG 24 100% copper, Aluminum Foil shield with drain wire, with gray CMR-rated Jacket and ripcord in a 1000 ft (305m) wood spool.
- LP-CE320BLC** LanPro Reliable® CAT 5e F/UTP Network Cable, solid AWG 24 100% copper, Aluminum Foil shield with drain wire, with blue CMR-rated Jacket and ripcord in a 1000 ft (305m) wood spool.
- LP-CE320WHC** LanPro Reliable® CAT 5e F/UTP Network Cable, solid AWG 24 100% copper, Aluminum Foil shield with drain wire, with white CMR-rated Jacket and ripcord in a 1000 ft (305m) wood spool.

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