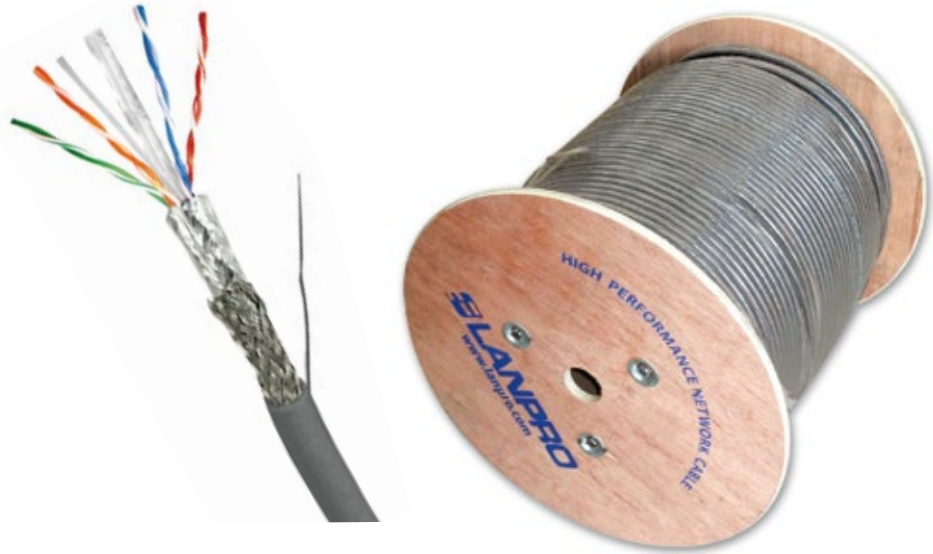


**LP-C6I10GRF LanPro Reliable® Shielded CAT 6 SF/UTP Network Cable,
CM-rated with Stranded 100% Copper Conductors AWG 26 and Flexible-X™ Nylon core
for symmetry and Gray jacket in 5000 ft. (1524m) wood spool**

LPC6I10GRF_SS_ENB01W

Features

- Very Flexible.
- Superior performance to traditional designs.
- 568-A and 568-B compatible.
- Exceeds ANSI/TIA-568-C.2, ISO/IEC 11801, UL 1685 (UL 1581, Sec. 1160) Vertical-Tray, CSA FT1 requirements.
- Rugged Construction.
- Ripcord included.
- Backward compatible with CAT 5e and CAT 5 systems.
- Excellent price/performance ratio.
- Gray color jacket.
- Four (4) AWG 26 Twisted Pairs.
- Flame rating: CM thermoplastic cover Jacket with a thickness of 0.55 mm.
- Reliable 6® is a robust product.
- Packaged in one convenient presentation: 1000 feet (305m) wood spool.
- The Geometry is better with Flexible-X™ technology.
- Operating voltage: <48 Vrms.
- UL E329019.



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and Gray jacket in 5000 ft. (1524m) wood spool**

The LP-C6I10GRF LanPro Reliable® Shielded CAT 6 SF/UTP Network Cable, CM-rated with Stranded 100% Copper Conductors AWG 26 with Flexible-X™ Nylon core for symmetry and gray jacket in 1000 ft. (305m) wood spool is the answer given by LanPro to the large 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 1685 (UL 1581, Sec. 1160) Vertical-Tray, CSA FT1 requirements, UL registered E329019, making it ideal for transmission links supporting today's networking protocols.

UL certified for CM commercial applications, the unshielded LanPro Reliable® CAT 6 U/UTP Network Cable is available for immediate delivery in gray color, other colors available under request. Now with "Flexible-X™" construction, Reliable® CAT 6 cable isolates and arranges the pairs throughout the length of the cable, improving field installation as well as performance.

A Applications

Shielded LanPro Reliable® CAT 6 SF/UTP Network CM-rated is intended for 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.

B Technical Specifications

STANDARDS	ISO/IEC11801, TIA/EIA 568.C-2, UL 1685 (UL 1581, Sec. 1160)		
Conductor	Material	Copper 100%	
	AWG #	26 (7/0.16)	
Capa aislante	Material	HDPE (High Density Polyethylene)	
	Diameter (mm)	0.85±0.05	
	Color	A - Blue, White-Blue B - Orange, White-Orange C - Green, White-Green D - Brown, White-Brown	
Inner screening material	Aluminum Foil	Drain Wire	TC 7/0.16mm
Outer screening material	Tinned copper 0.10mm	Coverage	≥40%
Rip Cord	Yes		
Separator	Flexible-X™		
Chaqueta	Thickness	0.55±0.05 mm	
	External diameter (O.D.)	6.5±0.5 mm	
	Surface finish	Clean, FRAP, Satiation	
	Material	CM Rated, complies RoHS	
	Color	Gray	
Markings	Type height	3.0±0.3 mm	
	Color	Black	
	Print error & space	≤ ±0.5%, 1m	
Empaque	Wood spool		
	Product length	1524 ± 1.5 m	
Physical properties	Temperature Range	-20°C to 75°C	
Mechanical characteristics	Tensile strength before Aging (Mpa)	≥10.0	
	Elongation before aging (%)	≥125	
	Aging Period (°C x hours)	100°C x 24 h x 7d	
	Tensile strength after Aging (Mpa)	≥8.0	
	Elongation after aging (%)	≥100	
	Cold Bend (-20±2°Cx4h)	No visible cracks	
	Bending Radius	8x external Dia. during install	
4x external Dia. afterwards			

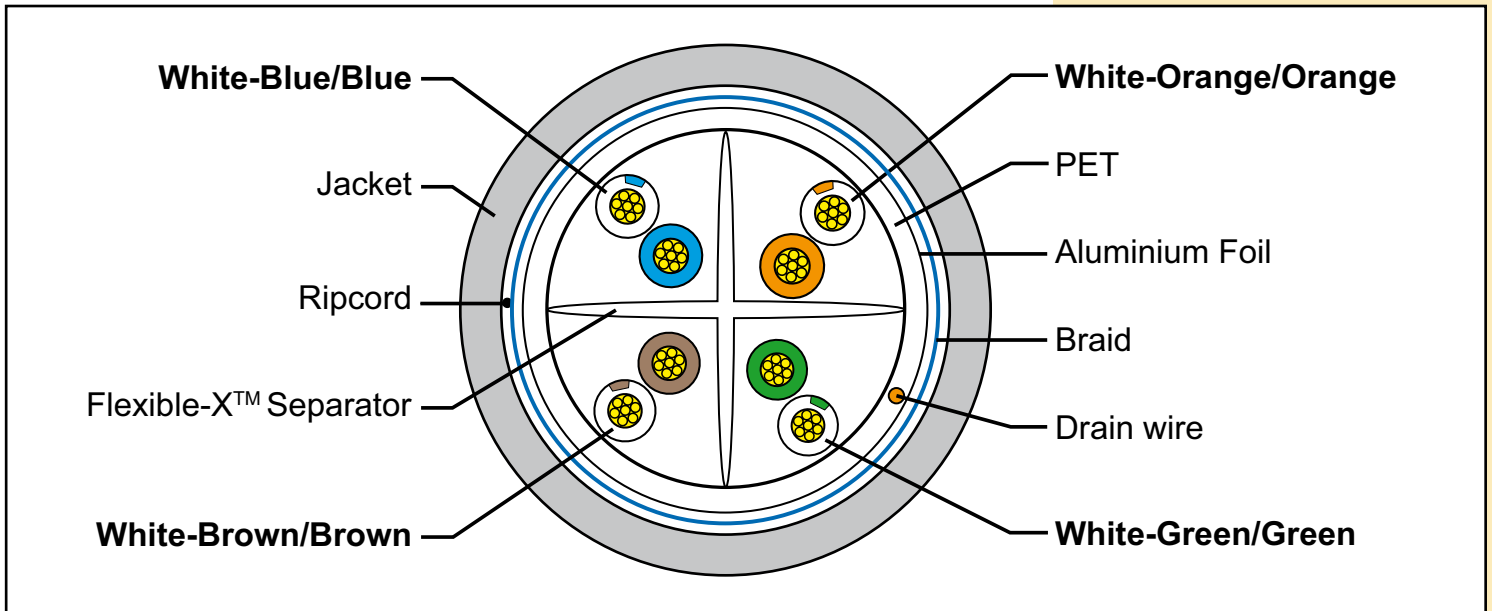
B Technical Specifications

ESTÁNDARES	ISO/IEC11801, TIA/EIA 568.C-2, UL 1666	
Electrical Properties (20°C)	Impedance (1.0 – 250.0 MHz)	100 ±15 Ohm
	Delay skew @20°C (1.0 – 250.0 MHz)	≤ 45 ns/100m
	Maximum DC Resistance @ (20°C)	14.7 Ohm/100 m
	% Resistance unbalance between conductors (Max)	5 %

C Technical Performance (100m)

Freq.(MHz)	RL > dB	ATT ≤ dB	NEXT ≥ dB	DELAY ≤ ns	PSNEXT > dB	ELFEXT > dB	PSELFEXT ≥ dB
1	19.1	3.0	65.0	498	62.0	64.2	61.2
4	21.0	3.5	64.1	498	61.8	52.1	49.1
8	21.0	5.0	59.4	498	57.0	46.1	43.1
10	21.0	5.5	57.8	498	55.5	44.2	41.2
16	20.0	7.0	54.6	498	52.2	40.1	37.1
20	19.5	7.9	53.1	498	50.7	38.2	35.2
25	19.0	8.9	51.5	498	49.1	36.2	33.2
31.25	18.5	10.0	50.0	498	47.5	34.3	31.3
62.5	16.0	14.4	45.1	498	42.7	28.3	25.3
100	14.0	18.6	41.8	498	39.3	24.2	21.2
200	11.0	27.4	36.9	498	34.3	18.2	15.2
250	10.0	31.1	35.3	498	32.7	16.2	13.2

D Structure



E How to order

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