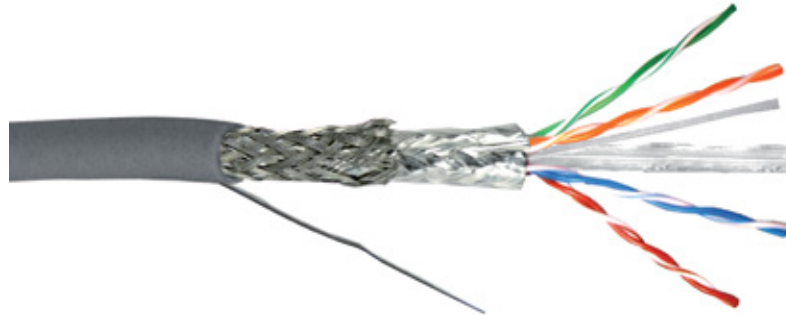


LP-C6K20GRC LanPro Reliable® Shielded CAT 6 SF/UTP Network Cable, CMR-rated with 100% Solid Copper Conductors AWG 23 and Flexible-X™ Nylon core for symmetry and Gray jacket in 1000 ft. (305m) wood spool

LPC6K20GRC_SS_ENB01W

Features

- ETL verified to TIA/EIA 568B CAT 6.
- Superior performance to traditional designs.
- 568-A and 568-B compatible.
- Exceeds ANSI/TIA-568-C.2, ISO/IEC 11801, UL 1666 Vertical-Tray, CSA FT1 requirements.
- UL certified under document E329019.
- Rugged Construction.
- Ripcord included.
- Backward compatible with CAT 5e and CAT 5 systems.
- Excellent price/performance ratio.
- Gray color jacket.
- Four (4) AWG 23 Pairs.
- Flame rating: CMR 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.



LP-C6K20GRC

LanPro Reliable® Shielded CAT 6 SF/UTP Network Cable, CMR-rated with 100% Solid Copper Conductors AWG 23 and Flexible-X™ Nylon core for symmetry and Gray jacket in 1000 ft. (305m) wood spool

The **LP-C6K20GRC** LanPro Reliable® Shielded CAT 6 SF/UTP Network Cable, CMR-rated with 100% Solid Copper Conductors AWG 23 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 1666 Vertical-Tray, CSA FT1 requirements, UL registered E329019, making it ideal for transmission links supporting today's networking protocols.

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 CMR-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.

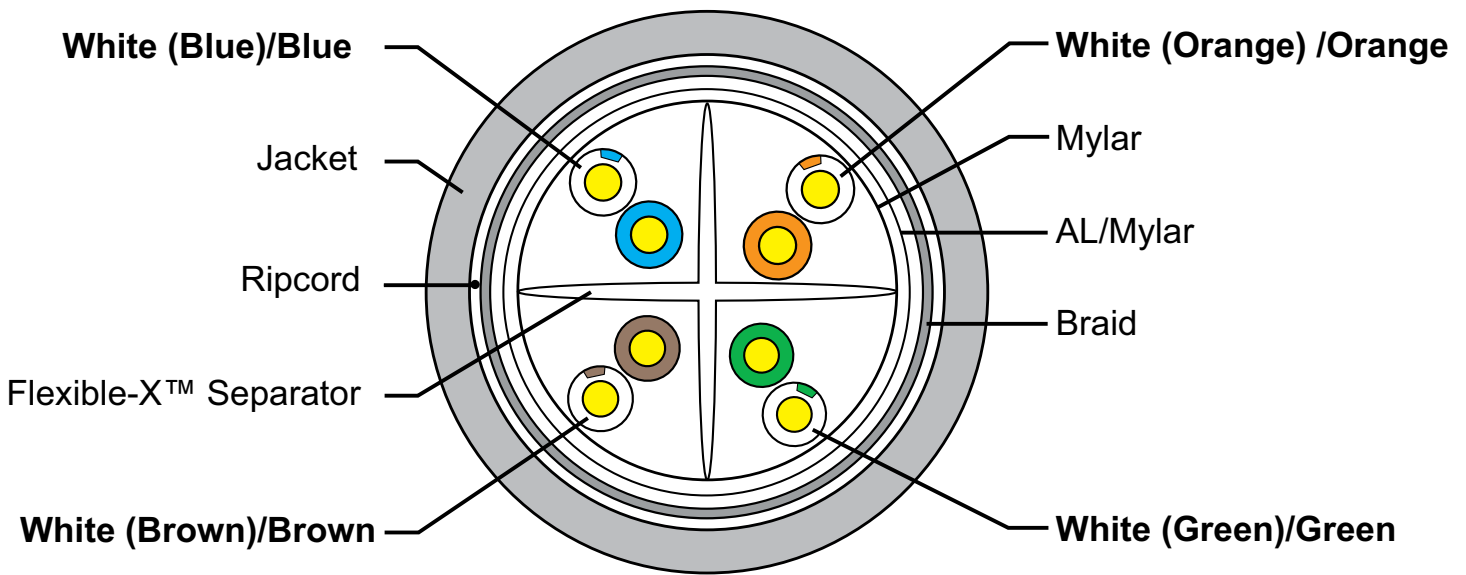
B Technical Specifications

Standards	ISO/IEC11801, TIA/EIA 568.C-2, UL 1666.			
Conductor	Material	Solid-Bare Copper 100%		
	AWG #	23		
	Nom OD (mm)	0.565	Up	+0.005
			Down	-0.005
Isolation layer	Material	HDPE (High Density Polyethylene)		
	Diameter (mm)	1.12±0.05		
	Color	A-Blue, White-Blue	B-Orange, White-Orange	
		C-Green, White-Green	D-Brown, White-Brown	
Inner screening material	Mylar+ AL/Mylar	Drain Wire	No	
Outer screening material	Tinned copper 0.10mm	Coverage	≥40%	
Ripcord	Yes			
Separator	Flexible-X™			
Jacket	Thickness	0.55±0.05 mm		
	External diameter (O.D.)	7.8±0.5 mm		
	Surface finish	Clean		
	Material	CMR Rated complies RoHS		
	Color	Gray		
Markings	Type height	3.0±0.3 mm		
	Color	Black		
	Print error & space	≤ ±0.5%, 1m		
Packaging	Wood spool			
	Product length	305 ± 1.5 m		
Physical properties	Temperature Range	-20°C to 75°C		
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°Cx4h)	No visible cracks		
	Bending Radius	8x external Dia. during install 4x external Dia. afterwards		
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)	9.38 Ohm/100 m		
	% Resistance unbalance between conductors (Max)	5 %		
	Unbalanced to ground capacitance (pf/100m) max.	300		

C Technical Performance (100m)

Freq. (MHz)	RL >dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	PSNEXT >dB	ELFEXT >dB	PSELFEXT ≥dB
1	20.0	-	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

D Structure



E How to order

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