

LP-C6Q70BKCT LanPro Reliable® CAT 6 F/UTP Outdoor Network Cable, solid AWG 24 100% copper, Aluminum over Mylar® Foil shield with drain wire and a Double Jacket (Black PE plus Gray CMX), Flexible-x™ separator for symmetry and ripcord in a 1000 ft (305 m) wood spool, with RJ45 connector at the end.

LPC6Q70BKCT_SS_ENB01W

Features:

- Exceeds all standards for CAT 6 communications cable.
- Outdoor installation.
- Buriable.
- Extremely durable.
- Black PE Jacket.
- UV resistant.
- Shielded.
- Characterized up to 250 MHz.
- Operating voltage ≤ 48 Volt RMS.
- No polytetrafluoroethylene (PTFE) also known as Teflon neither Silicon jackets are used on this family of cables.

Applications:

- Outdoor cable runs to wireless Access Points (AP), Bridges or CPE.
- Outdoor cable runs to IP Video Surveillance Cameras.
- Inter-building networks.
- Ethernet, Phone, Paging, Alarm, Video and Power-over-Ethernet (PoE) Networks.
- The perfect CAT 6 cable for outdoor residential and commercial installations.
- Situations where reliability is of paramount importance, as in military complexes, hospitals, extreme weather locations, airports.
- The scope of applications of these cables are data centers and data communication.
- The cross section on this cables is 0.20mm²

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LanPro manufactures high performance CAT 6 cables for outdoor usage. The external jacket is made of Polyethylene (PE) with a high resistance to external agents like humidity, UV radiation and high temperatures resulting in a long-lasting operation. The external jacket offers also positive protection to corrosion, erosion and friction.

This cable is constructed with a 4 pairs basis of AWG 24 100% Copper conductors, structurally uniformly arranged with our Flexible-X™ plastic separator for better performance and is shielded with an aluminum film layered over the UTP pairs, yielding an F/UTP structure. With a 100% copper and tinned drain wire in contact with the shield all over the length of the cable, resulting in the reduction of electromagnetic interference found in hostile environments. All of these features make this cable highly recommended for outdoor connection to outdoor radios and wireless equipment.

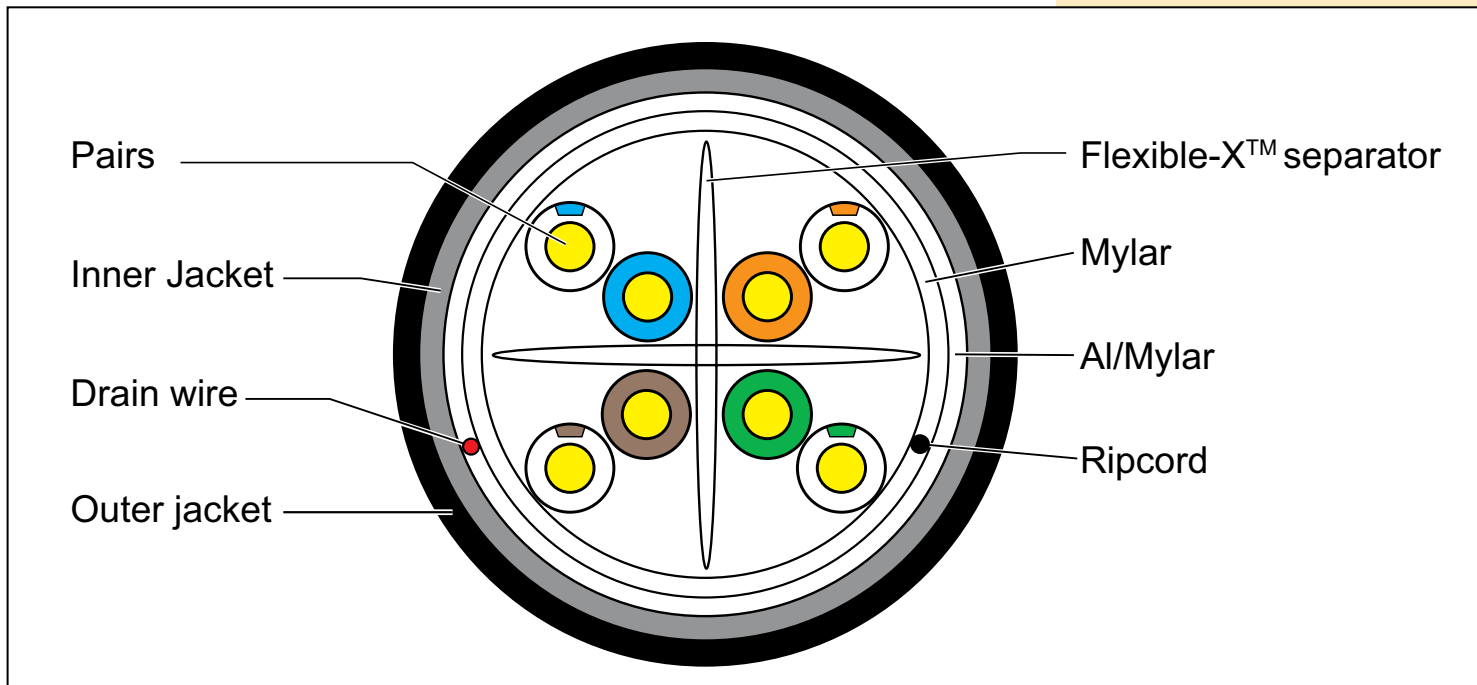
Outdoor CAT 6 cables from LanPro are approved as per the ISO/IEC11801 standard and following the TIA/EIA 568-C.2 specifications for Category 6 cables. Used for Gigabit Ethernet, 1000BASE-Tx, token-ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, (broadband, analog baseband), digital video and voice over IP (VoIP), it can also be used for IP video surveillance cameras.



A Especificaciones

Standards	ISO/IEC11801, TIA/EIA 568 C.2			
Conductor	Material	100% Copper		
	AWG #	24		
Insulation	Material	HDPE		
	Diameter (mm)	1.05±0.05		
Screening Material	Mylar +Al/Mylar			
Ripcord	Yes	Drain wire	Yes	
Inner Jacket	Material	CMX	Color	Gray
	OD	6.9 mm (Nom)		
Outer Jacket	Thickness	0.60±0.1 mm		
	External	8.2±0.5 mm		
	Surface finish	Clean		
	Material	LDPE (complies RoHS)		
	Color	Black		
Markings	Altura de la letra	3.0±0.3 mm		
	Color	White		
	Error de impresión y espacio	≤ ±0.5%, 1m		
Core Color	A. Blue, White-Blue	B. Orange, White-Orange		
	C. Green, White-Green	D. Brown, White-Brown		
Packing	Wood spool & Carton			
Wooden Tray dimension	According to the requires			
Packing length	305±1.0m			
Mechanical Characteristics	Tensile strength before aging (Mpa)	≥10.0		
	Elongation before aging (%)	≥350		
	Aging Period (°C x hours)	100°C x 24 h x 7d		
	Tensile strength after Aging(Mpa)	≥8.0		
	Elongation after aging (%)	≥300		
	Cold Bend (-20+2°Cx4h)	No visible cracks		
Electrical properties @ 20oC	Impedance	100±15 (Ω)		
	Delay skew	≤45 ns/100m		
	Unbalanced-to-ground capacitance	330 (pf/100m) max		
	Maximum DC Resistance (Ω/100 m) max	9.5		
	DC Conductor Resistance Unbalance (%) max	5.0		

B Cable Structure



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
4.0	23.0	3.78	65.3	552.00	63.3	55.8	52.8
8.0	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10.0	25.0	5.95	59.3	545.38	57.3	47.8	44.8
16.0	25.0	7.55	56.2	543.00	54.2	43.7	40.7
20.0	25.0	8.47	54.8	542.05	52.8	41.8	38.8
25.0	24.3	9.51	53.3	541.20	51.3	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 How to Order

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