

LP-C6370BKC LanPro Reliable® CAT 6 F/UTP Outdoor Network Cable, solid AWG 23 100% 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.

LPC63N0BKC_SS_ENB01W

Features:

- Exceeds all standards for CAT 6 communications cable.
- Outdoor installation.
- Buriable
- Extremely durable.
- Black PE Jacket.
- UV resistant
- Shielded.
- With a 0.45 mm Dia. Tinned 100% copper drain wire
- Characterized up to 250 MHz.
- Operating voltage ≤ 48 Volt RMS

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.



LP-C6370BKC LanPro Reliable® CAT 6 F/UTP Outdoor Network Cable, solid AWG 23 100% 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.

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 UTP basis of AWG 23 100% 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.

WARNING: the use of traditional indoor grade Category 6 cable in outdoor applications subjects it to rapid deterioration. Installation of indoor CAT 6 cable inside a conduit does not make it outdoor suitable either. Conduits filled with water will deteriorate the cable rapidly.

Therefore, choosing a high quality outdoor (UV-rated) CAT 6 cable with PE jacket and HDPE conductor insulation is extremely important. LanPro outdoor cables will avoid costly network outages, keeping network reliability high and maintenance costs low.

If the cable is not well made or UV-rated, it may snag when coming out of the box, causing an installation breakdown or failure in sunlight over time. Wi-Fi towers and their installations MUST use this kind of product to avoid fast deterioration of the cabling set-up due to weather, dust, sun and rude environment.

LanPro has taken each aspect into consideration when designing this product, from its storage, installation, operation and its maintenance in order to deliver a cost effective solution to our customers. Now, with the optional PE **Rattenweg™** jacket, you will avoid rodent damage.



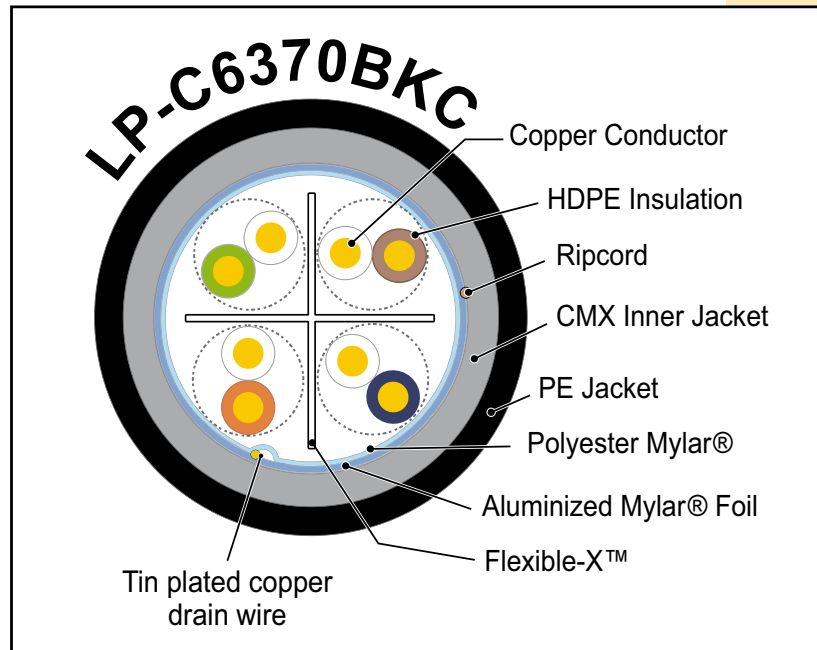
A Technical Specifications:

Standards	ISO/IEC11801, TIA/EIA 568.2			
1.- Conductor	Material	Copper 100%		
	AWG #	23		
	Nominal Diameter (mm)	0.565	Positive tolerance	+0.005
			Negative tolerance	-0.005
2.- Isolation layer	Material	HDPE (High Density Polyethylene)		
	Diametro (mm)	1.12 ± 0.03		
	Elongation	Min. 300%		
	Color	A- Blue, White-Blue	B- Orange, White-Orange	
		C- Green, White-Green	D- Brown, White-Brown	
3.- Wrapping	Mylar			
4.- Rip Cord	Yes			
5.- Shielding	F/UTP	Aluminum over Mylar Foil		
6.- Drain Wire	yes	0.45 mm, Copper 100%, Tinned		
7.- Jacket	Thickness	0.60 ± 0.05 mm		
	External Diameter, (O.D.)	8.7 ± 0.5 mm		
	Surface finish	Clean, Satinized		
	Material	LDPE, RoHS, optional rodent Rattenweg™ treatment		
	Color	Black		
8.- Jacket Physical Properties	Tensile Strength Before aging	≥10.0 Mpa		
	Elongation Before Aging	≥300%		
	Aging Period (°CxHours)	100°C x 24 x 10d		
	Elongation After aging	≥300 %		
	Cold Bend (-20+2°Cx4h)	8 x Cable O.D. No visible cracks		
9.- Inner jacket	Material	CMX		
	Thickness	0.55 mm		
	Color	Gray		
	Diameter	7.4 mm		
10.- Markings	Type height	3.0±0.3 mm		
	Color	Blanco		
11.- Packaging	Wood Spool			
	Product length	305 ± 0.5 m		
12.- Mechanical properties	Temperature Range	-20°C to 75°C		
	Minimum Mechanical Tension resistance	1.68 Kg/mm ²		
13.- Electrical properties @ 20oC	Isolation resistance @500 V	Min 5000 MOhm/Km		
	Zo (1.0 – 100.0 MHz)	100±15 Ohm		
	Propagation Velocity (% C)	68%		
	Delay Skew	≤45 (ns/100 m)		
	Maximum DC Resistance @ (20 oC)	9.38 Ohm/100 m		
	Delay [ns/100m] @100 MHz	538 ns		
	% Resistance unbalance between conductors(Max)	5 %		
	Maximum Operating RMS AC Voltage	≤48		
	Peak Operating Voltage (DC)	≤68		
	(DC) Test Voltage (1 minute)	1.0 KV/ 1 minute		

B Electrical Characteristics:

Frec. (MHz)	RL >dB	ATT <dB	NEXT >dB	DELAY <ns	PSNEXT >dB	ELFEXT >dB	PSELFEXT ≥dB
1	20.0	1.9	74.0	570.00	72.3	68.0	65.0
4	23.0	3.7	65.0	552.00	63.3	56.0	53.0
8	24.5	5.3	60.7	546.73	48.8	49.9	46.9
10	25.0	5.9	59.0	545.38	57.3	48.0	45.0
16	25.0	7.5	56.0	543.00	54.2	43.9	40.9
20	25.0	8.4	55.0	542.05	52.8	42.0	39.0
25	24.3	9.5	53.3	541.20	41.3	40.0	37.0
31.25	23.6	10.6	52.0	540.44	49.9	38.1	35.1
62.5	21.5	15.4	47.0	538.55	45.4	32.1	29.1
100	20.1	19.8	44.0	537.60	42.3	28.0	25.0
200	18.0	29.0	40.0	536.54	37.8	22.0	19.0
250	17.3	32.8	38.0	536.27	36.3	20.0	17.0

C Cable structure section:



D How to Order:

LP-C6370BKC LanPro Reliable® CAT 6 F/UTP Outdoor Network Cable, solid AWG 23 100% 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.