

LP-C6M70BKCT LanPro Reliable® CAT 6 U/UTP Outdoor Network Cable, solid AWG 24 100% copper, 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.

LPC6M70BKCT_SS_ENB01W

Features

- Exceeds all standards for CAT 6 communications cable.
- Outdoor installation.
- Burialable.
- Extremely durable.
- Black PE Jacket.
- UV resistant.
- Unshielded.
- 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. All of these features make this cable highly recommended for outdoor connection to outdoor radios and wireless equipment.

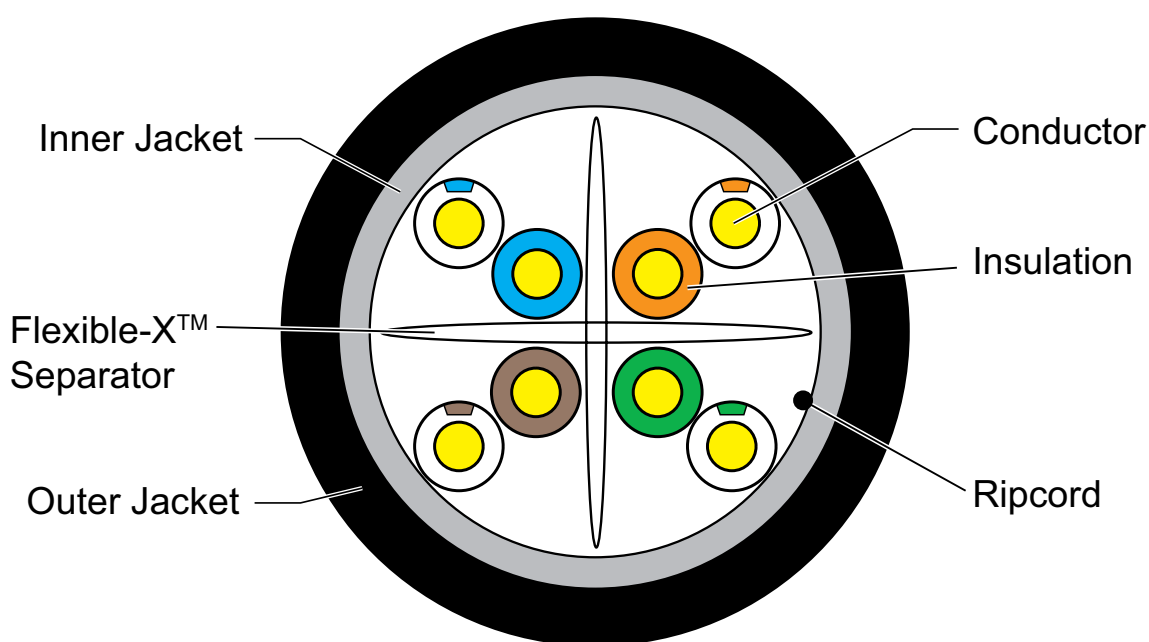
Outdoor CAT 6 cables from LanPro are approved as per the ISO/IEC11801 standard and following the TIA/EIA 568-C.2 specifications for Category 6 cables. Used for Gigabit Ethernet, 1000BASE-Tx, token-ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, (broadband, analog baseband), digital video and voice over IP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



A Technical Specifications

Standards	ISO/IEC11801, TIA/EIA 568 C.2			
Conductor	Material	100% Copper		
	AWG #	24		
Insulation	Material	HDPE		
	Diameter (mm)	0.88±0.05		
Ripcord	Yes			
Inner Jacket	Material	CMX	Color	Gray
	Thickness	0.55 mm (Nom)		
Outer Jacket	Thickness	0.60±0.1 mm		
	External	6.6±0.5 mm		
	Surface finish	Clean		
	Material	LDPE (complies RoHS)		
	Color	Black		
Markings	Letter height	3.0±0.3 mm		
	Color	White		
	Print error & Space	≤ ±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		
	Elongation after aging (%)	≥300		
	Cold Bend (-20+2°Cx4h)	No visible cracks		
Electrical properties @ 20°C	Impedance	100±15 (Ω)		
	Delay skew	≤45 ns/100m		
	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	19.1	3.0	65.0	570.0	62.0	64.2	61.2
4.0	21.0	3.5	64.1	552.0	61.8	52.1	49.1
8.0	21.0	5.0	59.4	546.7	57.0	46.1	43.1
10.0	21.0	5.5	57.8	545.4	55.5	44.2	41.2
16.0	20.0	7.0	54.6	543.0	52.2	40.1	37.1
20.0	19.5	7.9	53.1	542.1	50.7	38.2	35.2
25.0	19.0	8.9	51.5	541.2	49.1	36.2	33.2
31.25	18.5	10.0	50.0	540.4	47.5	34.3	31.3
62.5	16.0	14.4	45.1	538.6	42.7	28.3	25.3
100	14.0	18.6	41.8	537.6	39.3	24.2	21.2
200	11.0	27.4	36.9	536.5	34.3	18.2	15.2
250	10.0	31.1	35.3	536.3	32.7	16.2	13.2

D How to Order

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