LP-CA0N0BKCT LanPro Performax® CAT 6A U/UTP Outdoor Network Cable, solid AWG 23 100% copper with Single Black color PE jacket, Flexible-x™ separator for symmetry and ripcord in a 1000 ft (305 m) wood spool, with RJ45 connector at the end.

LPCA0N0BKCT_SS_ENB01W

Features

- ☐ Exceeds all standards for CAT 6A communications cable.

- ☐ Outdoor installation.

- ☐ Buriable.

- ☐ Extremely durable.

- ☐ Black PE Jacket. UV resistant.

- ☐ Unshielded.

- ☐ Characterized up to 500 MHz.

- ☐ Operating voltage ≤ 48 Volt RMS.

- ☐ No polytetrafluoroethylene (PTFE) also knows 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 6A 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 0.25mm².

PERFORMAX

LP-CA0N0BKCT
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LanPro manufactures high performance CAT 6A 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.
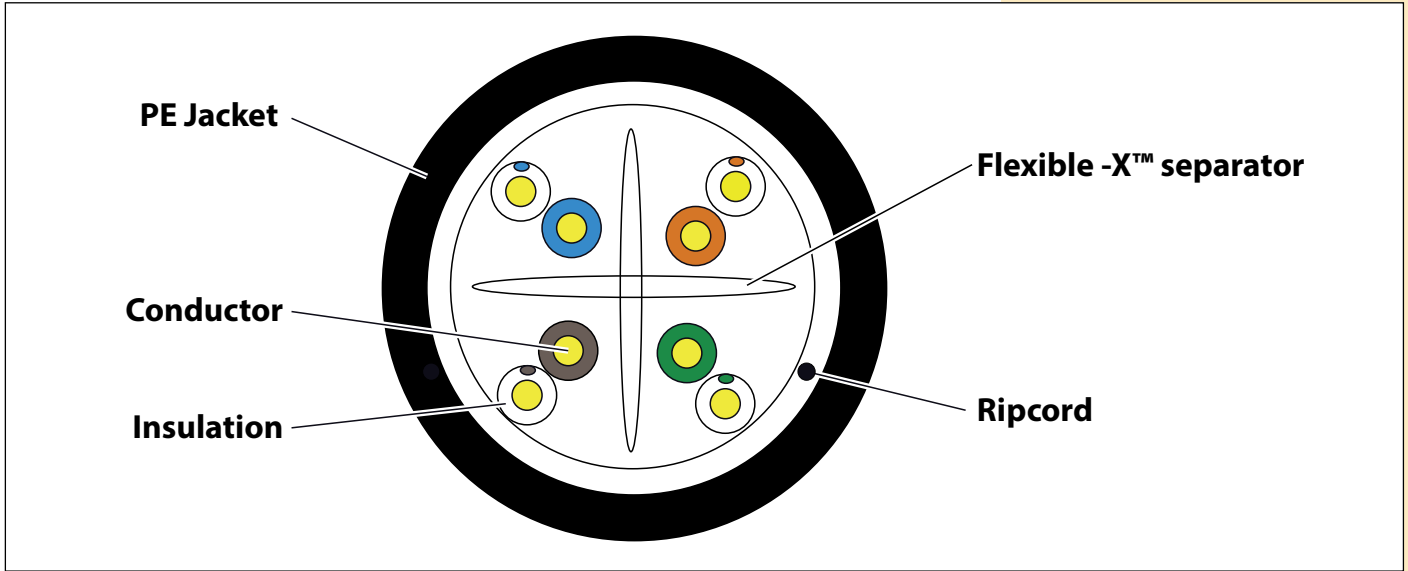
This cable is constructed with a 4 pairs basis of AWG 23, 100% Copper conductors, structurally uniformly arranged with our Flexible-X™ plastic separator for better performance. All of these features make this cable highly recommended for outdoor connection to outdoor radios and wireless equipment.

Outdoor CAT 6A cables from LanPro are approved as per the ISO/IEC11801 standard and following the TIA/EIA 568-C.2 specifications for Category 6A 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 Technical Specifications

Standards	ISO/IEC11801, TIA/EIA 568 C.2			
Conductor	Material	100% Copper		
	AWG #	23		
	Nom. O.D. (mm)	0.565	Up	+0.005
			Down	-0.005
Insulation	Material	HDPE		
	Diameter (mm)	0.99±0.05mm		
Ripcord	Yes			
Outer Jacket	Thickness	0.55±0.05 mm		
	External OD	6.7±0.5 mm		
	Surface finish	Clean, Frap, Satiation		
	Material	LDPE (complies RoHS)		
	Color	Black		
Markings	Letter height	3.0±0.3mm		
	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 (ºC x hours)	100ºC x 24 h x 7d		
	Elongation after aging (%)	≥300		
	Cold Bend (-20+2ºCx4h)	No visible cracks		
Electrical properties @20ºC	Impedance(Ω)	1.0-250.0MHz 100±15 250.0-500.0MHz 100±22		
	Delay skew	≤45 ns/100m		
	Maximum DC Resistance (Ω/100 m) max	9.38		
	DC Conductor Resistance Unbalance (%) max	5.0		

B   Cable Structure

PE Jacket

Conductor

Insulation

Flexible -X™ separator

Ripcord

C   Technical Performance (100m)

Freq. (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.1	74.3	570.0	72.3	67.8	64.8
4.0	23.0	3.8	65.3	552.0	63.3	55.8	52.8
8.0	24.5	5.3	60.8	546.7	58.8	49.7	46.7
10.0	25.0	5.9	59.3	545.4	57.3	47.8	44.8
16.0	25.0	7.5	56.2	543.0	54.2	43.7	40.7
20.0	25.0	8.4	54.8	542.1	52.8	41.8	38.8
25.0	24.3	9.4	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	42.3	27.8	24.8
200	18.0	27.6	39.8	536.5	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	36.3	19.8	16.8
300	16.8	34.3	37.1	536.1	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	31.8	13.8	10.8

D   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.