

**LP-CA5N0BKC LanPro Performax® Shielded CAT 6A S/FTP Outdoor Network Cable, solid AWG 23 100% copper, Single black color PE Jacket, Drain wire and ripcord in a 1000 ft. (305m) wood spool.**

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### Features

- Exceeds all standards for CAT 6A communications cable.
- Outdoor installation.
- Extremely durable.
- Black PE Jacket.
- UV resistant.
- Shielded S/FTP.
- Characterized to 500 MHz.
- Operating voltage  $\leq$  48 Volt RMS.

### Applications

- Outdoor cable runs to wireless Access Points (AP), Bridges or CPE.
- Outdoor cable runs to IP Video Surveillance Cameras.
- Used in Building-to-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.



**PERFORMAX**

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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.

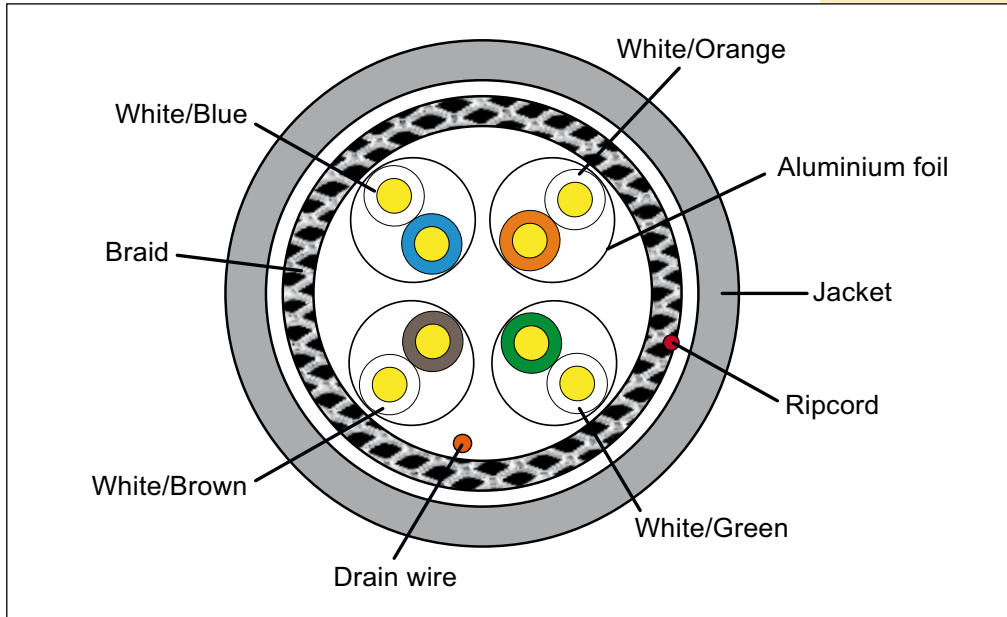
Outdoor CAT 6A cables from LanPro are approved as per the ISO/IEC11801 standard and following the TIA/EIA 568-C.2 specifications for Category 6A cables.

Used for Gigabit Ethernet, 10GBASE-T, 100Base-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

<b>Standards</b>	ISO/IEC11801, TIA/EIA 568 C.2			
<b>Conductor</b>	Material	100% Copper		
	AWG #	23		
	Nominal Diameter (mm)	0.560	Positive tolerance	+0.005
			Negative tolerance	-0.005
<b>Insulation</b>	Material	Skin-foam-skin PE		
	Diameter (mm)	1.330±0.05		
<b>Inner Screening Material</b>	Aluminum Foil	Drain wire	Yes	
<b>Inner Screening Material</b>	Tinned copper 0.10mm	Coverage	≥30	
<b>Outer Jacket</b>	Thickness	0.55±0.05 mm		
	External O.D.	7.6±0.5 mm		
	Surface	Clean		
	Material	LDPE (complies RoHS)		
	Color	Black		
<b>Surface Printing</b>	Letter height	3.0±0.3mm		
	Color	White		
	Print error & Space	≤±0.5%, 1m		
<b>Core Color</b>	A. White/Blue	B. White/Orange		
	C. White/Green	D. White/Brown		
<b>Ripcord</b>	Yes			
<b>Packing</b>	Wood spool & Carton			
<b>Packing length</b>	305±1.0m			
<b>Mechanical Characteristics</b>	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		
<b>Electrical properties @ 20°C</b>	Delay skew	≤45 ns/100m		
	Unbalanced-to-ground capacitance	330 (pf/100m) max		
	Maximum DC Resistance (Ω/100 m) max	9.38		
	DC Conductor Resistance Unbalance (%) max	2.0		

**B Cable Structure**



**C Technical Performance (100m)**

Freq.(MHz)	RL≥dB	ATT ≤dB	NEXT ≥dB	Delay	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	-	74.3	570	72.3	67.8	64.8
4.0	23.0	3.8	65.3	552	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	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	31.8	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*