LP-CA7N0BKC LanPro Performax® Shielded CAT 6A U/FTP Outdoor Network Cable, solid AWG 23 100% copper, Single PE Jacket, Drain wire and ripcord in a 1000 ft. (305m) wood spool.

LPCA7N0BKC_SS_ENB01W

Features

- Exceeds all standards for CAT 6A communications cable.
- Outdoor installation.
- Extremely durable.
- Black PE Jacket.
- UV resistant.
- Shielded U/FTP.
- Characterized to 500 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.
- 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.

This cable is constructed with a four (4) U/FTP of AWG 23 100% Copper conductors shielded with an Aluminum foil layered over each pair, yielding and U/FTP 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.
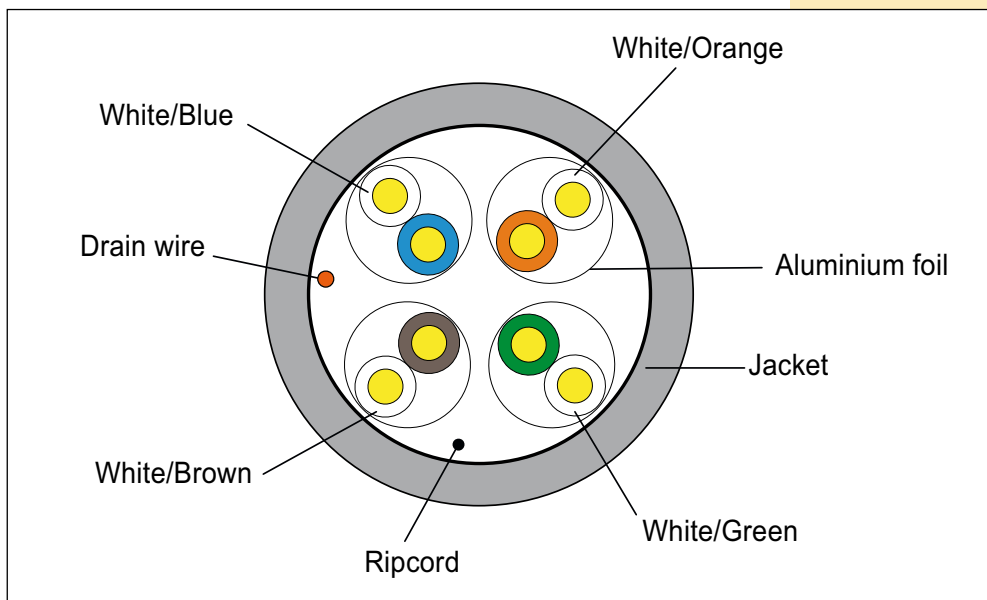
Outdoor CAT 6A cables from LanPro are approved as per the ISO/IEC11801 standard and following the TIA/EIA 568-C.2 specifications for Category 6A cables.

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.

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A Technical Specifications

Standards	ISO/IEC11801, TIA/EIA 568 C.2			
Conductor	Material	100% Copper		
	AWG #	23		
	Nominal Diameter (mm)	0.560	Positive tolerance	+0.005
			Negative tolerance	-0.005
Insulation	Material	Skin-foam-skin PE		
	Diameter (mm)	1.330±0.05		
Screening Material	Aluminum Foil	Drain wire	Yes	
Outer Jacket	Thickness	0.55±0.05 mm		
	External O.D.	7.4±0.5 mm		
	Surface	Limpia		
	Material	LDPE (complies RoHS)		
	Color	Black		
Surface Printing	Letter height	3.0±0.3mm		
	Color	White		
	Print error & Space	≤±0.5%, 1m		
Core Color	A. White/Blue	B. White/Orange		
	C. White/Green	D. White/Brown		
Ripcord	Yes			
Packing	Wood spool & Carton			
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		
	Bending Radius	8x Cable O.D.		
Electrical properties @ 20oC	Velocity of Propagation (%)	76		
	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

White/Blue

White/Orange

Drain wire

Aluminium foil

Jacket

White/Brown

White/Green

Ripcord

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	72.3	68.0	65.0
4.0	23.0	3.8	65.3	552	63.3	56.0	53.0
8.0	24.5	5.3	60.8	547	58.8	49.9	46.9
10.0	25.0	5.9	59.3	545	57.3	48.0	45.0
16.0	25.0	7.5	56.2	543	54.2	43.9	40.9
20.0	25.0	8.4	54.8	542	52.8	42.0	39.0
25.0	24.3	9.4	53.3	541	51.3	40.0	37.0
31.25	23.6	10.5	51.9	540	49.9	38.1	35.1
62.5	21.5	15.0	47.4	539	45.4	32.1	29.1
100	20.1	19.1	44.3	538	42.3	28.0	25.0
200	18.0	27.6	39.8	537	37.8	22.0	19.0
250	17.3	31.1	38.3	536	36.3	20.0	17.0
300	16.8	34.3	37.1	536	35.1	18.5	15.5
400	15.9	40.1	35.3	536	33.3	15.8	12.8
500	15.2	45.3	33.8	536	31.8	14.0	11.0

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.