

LP-CA3N0BKCT LanPro Performax® CAT 6A F/UTP Outdoor Network Cable, solid AWG 23 100% copper, Aluminum over Mylar® Foil shield with drain wire and 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.

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Features

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



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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.

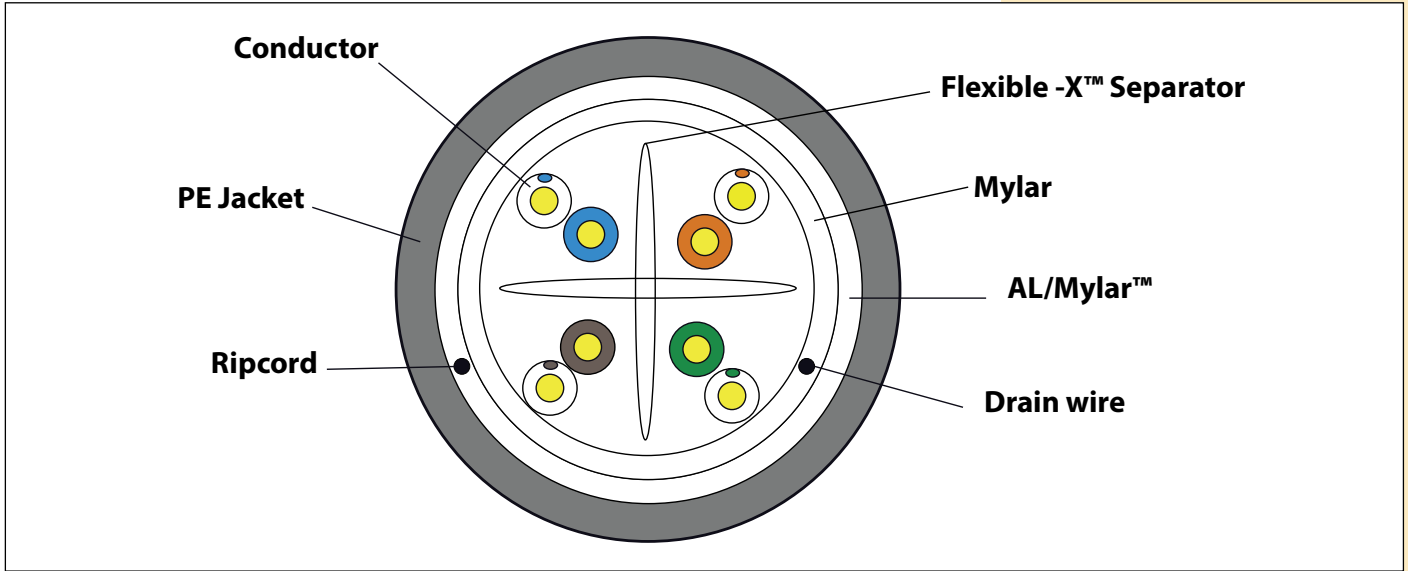
This cable is constructed with a 4 pairs basis of AWG 23 100% Copper conductors, structurally uniformly arranged with our Flexible-X™ plastic separator for better performance and is shielded with an aluminum film layered over the UTP pairs, yielding an F/UTP structure. With a 100% copper and tinned drain 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 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)	1.12±0.05 mm		
Screening Material	Mylar +Al/Mylar			
Ripcord	Yes	Drain wire	yes	
Outer Jacket	Thickness	0.60±05 mm		
	External	7.4±0.4 mm		
	Surface finish	Clean		
	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 (°C x hours)	100°C x 24 h x 7d		
	Tensile strength after Aging(Mpa)	≥8.0		
	Elongation after aging (%)	≥300		
	Cold Bend (-20+2°Cx4h)	No visible cracks		
Electrical properties @ 20°C	Impedance (Ω)	1.0-250.0MHz	100±15	
		250.0-500.0MHz	100±22	
	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	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	20.0	-	74.3	570.0	72.3	68.0	65.0
4.0	23.0	3.8	65.3	552.0	63.3	56.0	53.0
8.0	24.5	5.3	60.8	546.7	58.8	49.9	46.9
10.0	25.0	5.9	59.3	545.4	57.3	48.0	45.0
16.0	25.0	7.5	56.2	543.0	54.2	43.9	40.9
20.0	25.0	8.4	54.8	542.1	52.8	42.0	39.0
25.0	24.5	9.4	53.3	541.2	51.3	40.0	37.0
31.25	23.6	10.5	51.9	540.4	49.9	38.1	35.1
62.5	21.5	15.0	47.7	538.6	45.4	32.1	29.1
100	20.1	19.1	44.3	537.6	42.3	28.0	25.0
200	18.0	27.6	39.8	536.5	37.8	22.0	19.0
250	17.3	31.1	38.3	536.3	36.3	20.0	17.0
300	16.8	34.3	37.1	536.1	35.1	18.5	15.5
500	15.2	45.3	33.8	535.6	31.8	14.0	11.0

D How to Order

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