

LP-CE040BKC Network Cable, all Weather Outdoor CAT 5e type U/UTP, solid, 100% copper, AWG 24, with Single Black PE Jacket, Gel Water Blocking Flooded core in 1000ft wood spool.

LPCE040BKC_SS_ENB01W

Features

- Exceeds all Standards for Cat5e Communication Cable and is able to pass a Cat6 certification test even though it is a Cat5e cable.
- Extremely Durable.
- Resistant to UV Rays.
- Abrasion resistant.
- Unshielded.
- Black PE Jacket.
- Direct Burial.
- Characterized to 100MHz.
- Rodent resistant(PE Rodent Resistance option).
- Operating voltage ≤ 48 Volt rms.

Aplicaciones

- 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 Cat5e cable for outdoor residential and commercial installations.
- Situations where reliability is of paramount importance, as in military complexes, hospitals, extreme weather locations, airports.
- 100Base-TX.
- 100Base-T.
- 100VG-AnyLan.
- 1000Base-T(Gigabit Ethernet).
- 1000Base-TX.
- ATM.



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LanPro manufactures the LP-CE040BKC high grade outdoor CAT5e cable with Gel for environments with high humidity. The outer jacket is constructed with black high-density polyethylene (PE), which is extremely durable and offers a very long product life (20 year life) and featuring resistance against water permeation, moisture, UV, grease, oils, extreme temperatures.

The LP-CE040BKC by LanPro is a Single PE jacket Gel filled cable and the external jacket offers a positive protection against corrosion, erosion and friction and for pest infested places, there is an optional rodent attack protection PE type that pests like rats won't like to byte.

The use of traditional indoor grade category 5E cable in outdoor applications subjects it to rapid deterioration. Installation of indoor Cat5e cable inside a conduit does not make it outdoor suitable either. Conduits filled with water will deteriorate the cable rapidly.

Therefore, choosing this high quality outdoor (UV Rated) Cat5e cable with PE jacket and HDPE conductor insulation makes a reliable installation. LanPro outdoor cables will avoid costly network outages, keeping network reliability high and maintenance costs low. Even though this cable is very resistant to the environment, the use of a conduit is recommended whenever possible.

A low quality or a non-UV Rated cable may snag when coming out of the box, causing an installation breakdown or failure in sunlight over time. WiFi towers and their installations MUST use this kind of product to avoid fast deterioration of the cabling set-up due to weather, dust, sun and rude environment.

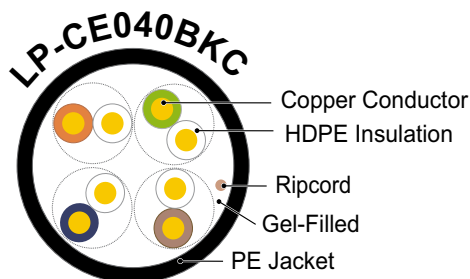
We at LanPro have taken into account in the design every critical aspect of the installation process while maintaining a very competitive cost.

A SPECIFICATIONS

Standards	ISO/IEC11801, TIA/EIA 568-C.2			
1.-Conductor	Material	Copper 100%		
	AWG #	24		
	Nominal Diameter (mm)	0.500	Positive tolerance	+0.005
			Negative tolerance	-0.005
2.-Isolation layer	Material	HDPE (High Density Polyethylene)		
	Diameter (mm)	1.02+0.03		
	Elongation	Min. 300%		
	Color	A-Blue, White-Blue	B-Orange, White-Orange	
C-Green, White-Green		D-Brown, White-Brown		
3.-Wrapping	None			
4.-Rip Cord	Yes			
5.-Shielding	U/UTP	Not shielded		
6.-Drain Wire	No	No		
7.-Jacket	Thickness	0.55+0.05 mm		
	External Diameter, (O.D.)	5.8+0.8 mm		
	Surface finish	Clean, Satinized		
	Material	PE, RoHS, optional rodent Rattenweg™ treatment		
	Color	Black		
8.-Jacket Physical Properties	Tensile Strength Before aging	>10.0 Mpa		
	Elongation Before Aging	>350%		
	Aging Period(°CxHours)	100°Cx24x10d		
	Elongation After aging	>300 %		
	Cold Bend (-20+2°Cx4h)	8xCable O.D. sin fracturas		
9.-Markings	Type height	3.0+0.3 mm		
	Color	White		
10.-Packaging	Wood Spool			
	Product length	305 +/- 1.5 m		
11.-Mechanical properties	Temperature Range	-20°C to 75°C		

12.-Electrical properties @ 20°C	Isolation resistance @500 V	Min 5000 MOhm/Km
	Zo (1.0 – 100.0 MHz)	100 ± 15 Ohm
	Propagation Velocity (% C)	68%
	Delay Skew	<45(ns/100m)
	Capacitance(nF/100m) max:	5.6
	Maximum DC Resistance @ (20 oC)	9.5 Ohm/100 m
	Delay [ns/100m] @100 MHz	538 ns
	% Resistance unbalance between conductors(Max)	5 %
	Maximum Operating RMS AC Voltage	<48
	Peak Operating Voltage (DC)	<68
	(DC) Test Voltage (1minute)	1.0 KV/ 1 minute

B Structure



C EIA/TIA-568A and EIA/TIA-568-C.2 Transmission Requirements

Frequency [MHz]	RL [≥dB]	ATT(20°C) [≤dB]	NEXT [≥dB]	Phase Delay [≤ns]	PSNEXT [≥dB]	ELFEXT [≥dB]	PSELFEXT [≥dB]
1	20.0	2.0	65.3	570.00	62.3	63.8	60.8
4.0	23.0	41.	56.3	552.00	53.3	51.8	48.8
8.0	24.5	5.8	51.8	546.73	48.8	45.7	42.7
10.0	25.0	6.5	50.3	545.38	47.3	43.8	40.8
16.0	25.0	8.2	47.2	543.00	44.4	39.7	36.7
20.0	25.5	9.3	45.8	542.05	42.8	37.8	34.8
25.0	24.3	10.4	44.3	541.20	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	32.3	23.8	20.8

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.