LP-CE0N0BKC2 LanPro Reliable® CAT 5e U/UTP Fig 8 Outdoor Network Cable with 1.2 mm Solid Messenger wire for 100 m span, Black PE Jacket with AWG 24 solid copper conductors, 1000 ft Wood Spool.

LPCE0N0BKC2_SS_ENB01W

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How Information Moves... **C5e FIG8 UTP**

(1P) PRODUCT CODE | 305 M   1000 ft.
LP-CE0N0BKC2
LanPro Reliable®, Cat 5e U/UTP Fig8, Network Cable with Solid Messenger wire for 100m span, Black PE Jacket with Solid Copper Conductors 1000ft wood spool.
QUANTITY : 305M

OUTDOOR FIG8   CE
COMMUNICATIONS CABLE
LOT: 14030101

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RoHS compliant

LP-CE0N0BKC2
LanPro Reliable® CAT 5e U/UTP Fig 8 Outdoor Network Cable with 1.2 mm Solid Messenger wire for 100 m span, Black PE Jacket with AWG 24 solid copper conductors, 1000 ft Wood Spool.

Features:

☐ With a Figure 8 structure, it withstands up to 100 m spans with a 1.2 mm Steel messenger wire that relieves de cable from stresses of installation and deformation due to being hanged between post or building to building premises.

☐ Exceeds all standards for CAT 5e communications cable.

☐ Extremely durable.

☐ Resistant to UV Rays.

☐ Black PE Jacket.

☐ For mast to building or building to building installation.

☐ Characterized up to 100 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.

☐ Inter-building networks.

☐ Ethernet, Phone, Paging, Alarm, Video and Power-over-Ethernet (PoE) Networks.

☐ The perfect CAT 5e cable for outdoor residential and commercial installations.

☐ Situations where reliability is of paramount importance, as in military complexes, hospitals, extreme weather locations, airports.

LanPro manufactures high performance CAT 5e 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 4 unshielded twisted pairs TP of AWG 24 100% Copper conductors, yielding an U/UTP structure. All of these features make this cable highly recommended for outdoor service between buildings or from post to premises.

The Figure 8 structural design, withstanding up to 100 m spans, due to a 1.2 mm Steel Messenger wire, relieves de cable from stresses of installation and deformation due to being hung between mast and building or building to building during its entire operating life.

Outdoor CAT 5e cables from LanPro are approved as per the ISO/IEC11801 standard and following the TIA/EIA 568-C.2 specifications for Category 5e 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.

Warning: the use of traditional indoor grade Category 5e cable in outdoor applications subjects it to rapid deterioration. Installation of indoor CAT 5e cable inside a conduit does not make it outdoor suitable either. Conduits filled with water will deteriorate the cable rapidly. Therefore, choosing a high quality outdoor (UV-rated) CAT 5e cable with PE jacket and HDPE conductor insulation is extremely important. LanPro outdoor cables will avoid costly network outages, keeping network reliability high and maintenance costs low.

If the cable is not well made or UV-rated, it may snag when coming out of the box, causing an installation breakdown or failure in sunlight over time. Wi-Fi 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.

LanPro has taken each aspect into consideration when designing this product, from its storage, installation, operation and its maintenance in order to deliver a cost effective solution to our customers.
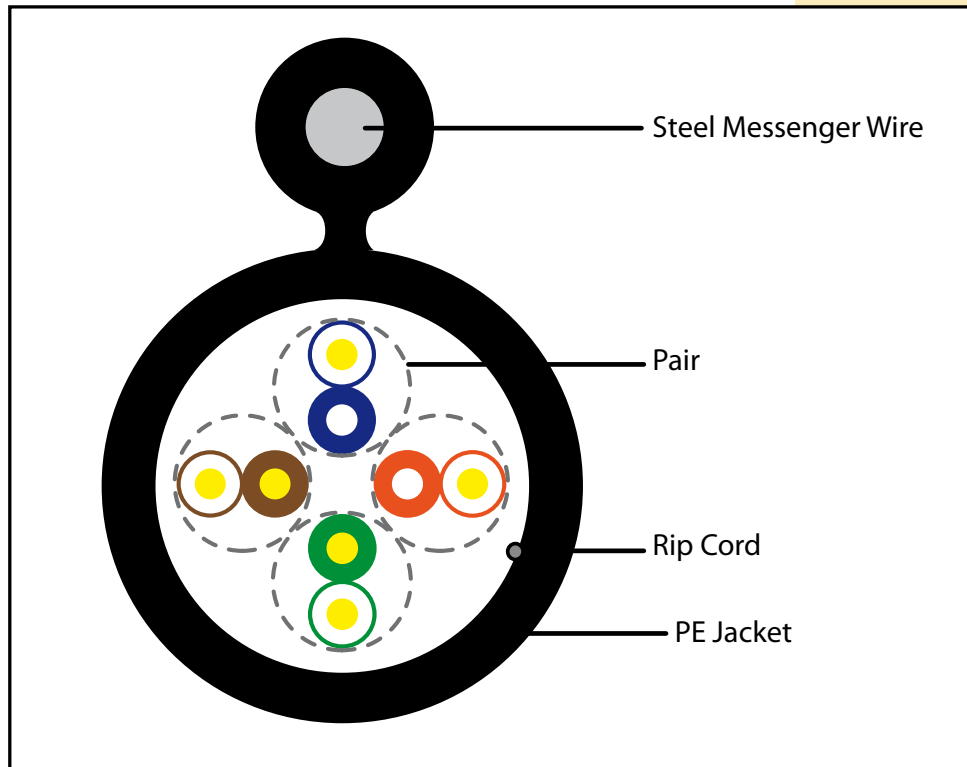
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Cabling - Copper Solutions - LP-CE0N0BKC2 - LanPro Reliable® CAT 5e U/UTP Fig 8 Outdoor Network Cable
with 1.2 mm Solid Messenger wire for 100m span, Black PE Jacket with AWG 24 Solid Copper Conductors, 1000 ft Wood Spool.

A Technical Specifications

Standards	ISO/IEC11801, TIA/EIA 568-C.2			
1.- Conductor	Material	Copper 100%		
	AWG#	24		
	Nominal Diameter (mm)	0.51	Positive tolerance	+0.005
			Negative tolerance	-0.005
2.- Isolation layer	Material	HDPE (High Density Polyethylene)		
	Diameter (mm)	1.0±0.02		
	Elongation	Min 300%		
	Color	A- Blue, White-Blue	B- Orange, White-Orange	
		C- Green, White-Green	D- Brown, White-Brown	
3.- Rip Cord	Yes			
4.- Shielding	None			
5.- Drain Wire	None			
6.- Jacket	Thickness	0.55±0.05 mm		
	External Diameter, (O.D.)	6.2±0.3 mm		
	Surface finish	Limpia, Satinada		
	Material	Polietileno (PE)		
	Additive	RoHS, UV		
	Color	Black		
7.- Messenger wire	Material	Galvanized Steel		
	Diameter	1.2±0.05 mm		
8.- Markings	Type height	3.0±0.3 mm		
	Color	White		
9.- Packaging	Wood Spool, Carton Box, Pallet			
	Product length	305±0.5 m		
10.- UV test	720 hours			
11.- Mechanical properties	Temperature Range	-20ºC hasta 75ºC		
	Minimum Mechanical Tension resistance	1.68 Kg/mm²		
12.- Electrical properties @ 20oC	Isolation resistance @500 V	Min 5000 MOhm/Km		
	Zo (1.0 – 100.0 MHz)	100±15 Ohm		
	Propagation Velocity (% C)	67%		
	Maximum DC Resistance @ (20 oC)	9.8 Ohm/100 m		
	Delay [ns/100m] @100 MHz	538 ns		
	% Resistance unbalance between conductors(Max)	2 %		
	Maximum Operating RMS AC Voltage	≤48		
	Peak Operating Voltage (DC)	≤68		
	(DC) Test Voltage (1minute)	1.0 KV / 1 minute		

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B Electrical Characteristics:

Frequency (MHz)	RL(dB)	SRL (dB)	ATT (dB/100m)	NEXT (dB/100m)
1	20.00	28.00	2.03	65.30
4	23.01	28.00	4.03	56.27
8	24.52	28.00	5.73	51.75
10	25.00	28.00	6.43	50.30
16	25.00	28.00	8.19	47.24
20	25.00	25.00	9.20	45.78
25	24.32	27.03	10.33	44.33
31.25	23.64	26.06	11.62	42.88
62.5	21.54	23.05	16.79	38.36
100	20.11	21.01	21.65	35.30

Frequency (MHz)	PSNEXT (dB/100m)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	62.3	63.8	60.8
4	53.3	51.7	48.7
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.4	39.7	36.7
20	42.8	37.7	34.7
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.8	24.9
100	32.3	23.8	20.8

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C Cable structure section:

Steel Messenger Wire

Pair

Rip Cord

PE Jacket

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.