

## Contact

Copper LAN Product Inquiry  
Phone: 717-354-6200  
berktek.support@nexans.com

## LANmark-1000 OSP

Berk-Tek's LANmark-1000 OSP (Outside Plant) Enhanced Category 6 UTP cables are designed for outside applications, either aerial or buried in conduit or duct, where building to building interconnections must be made.

### Description

**Construction:** 23 AWG bare copper wire insulated with polyethylene. Two insulated conductors twisted together to form a pair and four such pairs cabled around a cross filler to form the basic unit which is injected with a water resistant flooding compound and jacketed with black weather resistant polyethylene jacket.

**Standards:** North American: ANSI/TIA/EIA-568-C.2 Category 6  
ANSI/ICEA S-56-434 Outdoor Use

**Flame Rating:** Not flame rated  
ANSI/ICEA 5-107-704-2012, PAR 8.2.1 - Water Penetration

**Applications:** Berk-Tek's LANmark-6 UTP cable is intended for high speed data applications including:

- IEEE 802.3 1000BASE-T 1 Gb/s
- TIA/EIA-854 1000BASE-TX 1 Gb/s
- ATM 155 Mb/s 155 Mb/s
- IEEE 802.3 100BASE-TX 100 Mb/s
- CDDI 100 Mb/s
- IEEE 802.3 10BASE-T 10 Mb/s
- 802.3af PoE
- 802.3at PoE+

### Features

- Meets the requirements of ANSI/TIA/EIA-568-C.2
- Usable bandwidth up to 250 MHz
- Fully water blocked

### Benefits

- Can be used to interconnect buildings or can be run beneath a slab in duct or conduit
- Simplified structured cabling solution preserving long-term network investment
- Warranted, trouble-free cabling installation and maintenance
- Meets NEC requirement for wet locations



### Standards


National ANSI/TIA-568-C.2



## LANmark-1000 OSP

### Characteristics

Construction characteristics	
Type of cable	UTP
Colour	Black
Dimensional characteristics	
Length per reel	1000.0 ft
Number of pairs	4
Usage characteristics	
Packaging	Reel
Field of application	Outdoor
Category	Cat. 6

### Product List

Part Number	Description
 11072213	LANmark-1000 OSP

 = Make to order,  = In stock

### Technical Data - Physical

Technical Data - Physical			Color Code		
Conductor			Pair-1	White/Blue	Blue
23 AWG Bare Copper			Pair-2	White/Orange	Orange
Conductor diameter-in. (mm)	0.022	(0.56)	Pair-3	White/Green	Green
Insulated Conductor Diameter- in. (mm)	0.040	(1.02)	Pair-4	White/Brown	Brown
Cable diameter-in. (mm)	0.245	(6.22)	Temperature Rating		
Nominal cable weight-lb./kft. (kg/km)	30.5	(13.83)	Installation	0°C to +60°C	
Max. installation tension-lb. (N)	25	(111)	Operation	-40°C to +70°C	
Min. bend radius-in. (mm)	1	(25.4)			

### Technical Data - Parametric Measurements

Mutual Capacitance	5.3 nF/100 m nom.
DC resistance	9.38 Ohms/100 m nom.
Skew	35 ns/100 m max.
Pair to ground Unbalance	330 pF/100 m max.
Velocity of Propagation	65% nom.

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**Technical Data - Electrical**

FREQ MHz	RL (dB)	IL (dB/100m)	PS-NEXT (dB)	NEXT (dB)	ACR (dB/100m)	PS-ACR (dB/100m)	ACRF (dB)	PS-ACRF (dB)
	min.	max.	min.	min.	min.	min.	min.	min.
1	20.0	2.0	77.3	79.3	77.3	75.3	72.8	69.8
4	23.6	3.8	68.3	70.3	66.5	64.5	60.7	57.7
10	26.0	5.9	62.3	64.3	58.4	56.4	52.8	49.8
16	26.0	7.5	59.3	61.3	53.8	51.7	48.7	45.7
20	26.0	8.4	57.8	59.8	51.4	49.4	46.8	49.8
31.25	25.0	10.6	54.9	56.9	46.3	44.3	42.9	39.9
62.5	23.5	15.3	50.4	52.4	37.1	35.1	36.8	33.8
100	22.5	19.7	47.3	49.3	29.6	27.6	32.8	29.8
250	19.8	32.6	41.3	43.3	10.7	8.7	24.8	21.8

**Selling information**

PLEASE NOTE: In the interest of product improvement, Berk-Tek, a Nexans company may make improvements or changes in the products, the programs or services described at any time without notice. Additionally, the information contained herein may include typographical errors or technical inaccuracies. Changes will be periodically made to address any such issues.