

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.

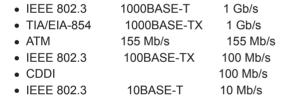
Standards: North American: ANSI/TIA/EIA-568-C.2 Category 6

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:



802.3af 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

^{802.3}at PoE+



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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			
르	11072213	LANmark-1000 OSP			
			■ = Make to order, ■ = In stock		

Technical Data - Physical

Technical Data - Physical				Color Code		
				Pair-1	White/Blue	Blue
Conductor	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)			-	
Nominal cable weight-lb./kft. (kg/km)	30.5	(13.83)		Temperature Rating		
Max. installation tension-lb. (N)	25	(111)	1	Installation 0°C to +60°C		
Min. bend radius-in. (mm)	1	(25.4)		Operation -40°C to +70°C		

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.