

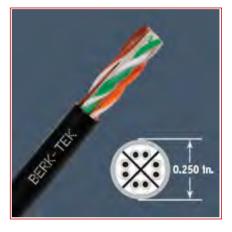
LANmark-6 OSP LANmark-6 OSP UTP Part Number: 10139885

Berk-Tek's LANmark-6 OSP (Outside Plant) Standard 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: 24 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 UV resistant polyethylene jacket.

Standards: North American: ANSI/TIA/EIA-568-B.2-1 Category 6



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:

1 Gb/s

100 Mb/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
- IEEE 802.3 10BASE-T 10 Mb/s

Features

- Meets the requirements of ANSI/TIA/EIA-568-B.2-1
- 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-568c.2 Category 6

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All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.



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

LANmark-6 OSP LANmark-6 OSP UTP

Part Number: 10139885

Characteristics

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

Technical Data - Physical

Technical Data - Physical				Color Code			
				Pair-1	White/Blue	Blue	
Conductor	24 AWG Bare Copper			Pair-2	White/Orange	Orange	
Conductor diameter-in. (mm)	0.021	(0.54)		Pair-3	White/Green	Green	
Insulated Conductor Diameter- in. (mm)	0.042	(1.07)		Pair-4	White/Brown	Brown	
Cable diameter-in. (mm)	0.25	(6.4)			•		
Nominal cable weight-lb./kft. (kg/km)	28	(41.3)		Temperature Rating			
Max. installation tension-lb. (N)	25	(110)	Install	Installation -30°C to +60°C			
Min. bend radius–in. (mm)	1	(25.4)	Operat	Operation -40°C to +70°C			

Technical Data - Parametric Measurements

Mutual Capacitance	4.6 nF/100 m nom.
DC resistance	8.16 Ohms/100 m nom.
Skew	45 ns/100 m max.
Pair to ground Unbalance	330 pF/100 m max.
Velocity of Propagation	62% nom.

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FREQ MHz	RL (dB)	IL (dB/100m)	PS-NEXT (dB)	NEXT (dB)	ACR (dB/100m)	PS-ACR (dB/100m)	ELFEXT (dB)	PS-ELFEXT (dB)
	min.	max.	min.	min.	min.	min.	min.	min.
1	20.0	2.0	72.3	74.3	72.3	70.3	67.8	64.8
4	23.0	3.8	63.3	65.3	61.5	59.5	55.8	52.8
10	25.0	6.0	57.3	59.3	53.3	51.3	47.8	44.8
16	25.0	7.6	54.3	56.2	48.7	46.7	43.7	40.7
20	25.0	8.5	52.8	54.8	46.3	44.3	41.8	38.8
31.25	23.6	10.7	49.9	51.9	41.2	39.2	37.9	34.9
62.5	21.5	15.4	45.4	47.4	32.0	30	31.9	28.9
100	20.1	19.8	42.3	44.3	24.5	22.5	27.8	24.8
250	17.3	32.8	36.3	38.3	5.4	3.4	19.8	16.8

Technical Data - Electrical

Selling information

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