

**Contact**

Copper LAN Product Inquiry  
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## HyperPlus 5e OSP

Berk-Tek's Hyper Plus 5e OSP (Outside Plant) Standard Category 5e 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 to form the basic unit which is injected with a water resistant flooding compound and jacketed with UV resistant polyethylene.

#### Standards

- North American ANSI/TIA/EIA-568-B.2 Category 5e and Category 5, ANSI/ICEA 5-56-434
- International ISO/IEC 11801 Category 5 , EU Directive 2002/95/EC (RoHS)

#### Applications

Berk-Tek's Hyper Plus 5e OSP UTP cable is intended for high speed data applications including:

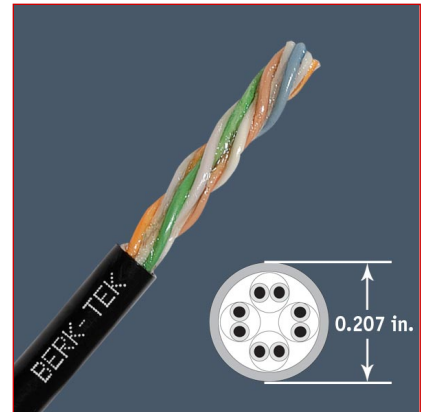
- |              |            |          |
|--------------|------------|----------|
| • IEEE 802.3 | 1000BASE-T | 1 Gb/s   |
| • ATM        | 155 Mb/s   | 155 Mb/s |
| • IEEE 802.3 | 100BASE-TX | 100 Mb/s |
| • CDDI       |            | 100 Mb/s |
| • IEEE 802.3 | 10BASE-T   | 10 Mb/s  |

#### Features

- Supports most data and voice applications
- Meets ANSI/ICEA 5-56-434 Standard for Polyolefin Insulated Communications Cables for Outdoor Use
- ETL Verified to TIA/EIA-568-B.2 Category 5e
- 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
- Meets NEC requirement for cable in wet locations



#### Standards

**National TIA/EIA-568-B.2**

## HyperPlus 5e OSP

### Characteristics

#### Dimensional characteristics

Length per reel	1000.0 ft
Number of pairs	4

### Technical Data - Physical

Technical Data - Physical			Color Code		
<b>Conductor</b>	24 AWG BC		<b>Pair-1</b>	White	Blue
<b>Conductor diameter-in. (mm)</b>	0.02	(0.51)	<b>Pair-2</b>	White	Orange
<b>Insulated Conductor Diameter- in. (mm)</b>	0.038	(0.96)	<b>Pair-3</b>	White	Green
<b>Cable diameter-in. (mm)</b>	0.207	(5.3)	<b>Pair-4</b>	White	Brown
<b>Nominal cable weight-lb./kft. (kg/km)</b>	20	(30)	<b>Temperature Rating</b>		
<b>Max. installation tension-lb. (N)</b>	25	(110)	<b>Installation</b>	0°C to +50°C	
<b>Min. bend radius-in. (mm)</b>	1	(25.4)	<b>Operation</b>	-20°C to +60°C	

### Technical Data - Parametric Measurements

<b>Mutual Capacitance</b>	5.6 nF/100 m max.
<b>DC resistance</b>	9.38 Ohms/100 m max.
<b>Skew</b>	25 ns/100 m max.
<b>Pair to ground Unbalance</b>	330 pF/100 m max.
<b>Velocity of Propagation</b>	72% nom.
<b>Input Impedance</b>	100 ± 15% 1-100 MHz
<b>DC Resistance Unbalance:</b>	5% max.

### Technical Data - Electrical

FREQ MHz	SRL (dB)	RL (dB)	IL (dB/100m)	PS-NEXT (dB)	NEXT (dB)	ACR (dB/100m)	PS-ACR (dB/100m)	ELFEXT (dB)	PS-ELFEXT (dB)
	min.	min.	max.	min.	min.	min.	min.	min.	min.
1	25.0	20.0	2.0	62.3	66.3	64.3	60.3	63.8	60.8
4	25.0	23.0	4.1	53.3	57.3	53.2	49.2	51.8	48.8
10	25.0	25.0	6.5	47.3	51.3	44.8	40.8	43.8	40.8
16	25.0	25.0	8.2	44.2	48.3	40.1	36	39.7	36.7
20	25.0	25.0	9.3	42.8	46.8	37.5	33.5	37.8	34.8
31.25	23.6	23.6	11.7	39.9	43.9	32.2	28.2	33.9	30.9
62.5	21.5	21.5	17.0	35.4	39.4	22.4	18.4	27.9	24.9
100	20.1	20.1	22.0	32.3	36.3	14.3	10.3	23.8	20.8

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## HyperPlus 5e OSP

### Product List

Part Number	Description	Colour	Packaging	Category
10071496	HyperPlus 5e OSP	Black	Reel	Cat. 5e

☎ = Make to order, 📦 = Make to stock

### Selling delivery 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.