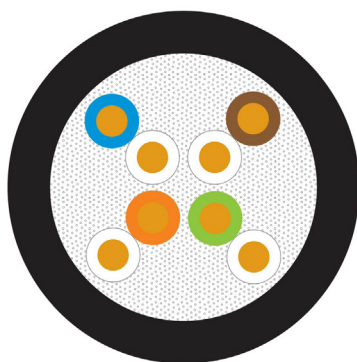


## Hyper Plus 5e OSP UTP Cables

### APPLICATION

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.



### COUNTRY OF ORIGIN

USA

### WARRANTY INFORMATION

For Leviton product warranties, go to [Leviton.com/ns/warranty](http://Leviton.com/ns/warranty)

### FEATURES & BENEFITS

- Fully water blocked
- Supports most data and voice applications
- ETL Verified to ANSI/TIA-568.2-D Category 5e
- 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

### 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 & REGULATIONS

- ANSI/ICEA 5-107-704-2012, PAR 8.2.1
- ANSI/TIA-568.2-D Cat 5e
- EU Directive 2011/65/EC (RoHS)
- International ISO/IEC 11801 Category 5
- ANSI/ICEA 5-56-434
- IEEE 802.3bt PoE Type 1, 2, 3, 4 (90 watts max)
- Cisco UPOE, UPOE+ (90 watts max)
- Power over HDBaseT™ PoH (95 watts max)

### FIRE RATING

- Non-rated

# PRODUCT SPECIFICATIONS

## Hyper Plus 5e OSP UTP Cables

### HIGH SPEED DATA AND POWER APPLICATIONS

IEEE 802.3	1000BASE-T (1 Gb/s), 100BASE-TX (100 Mb/s), 10BASE-T (10 Mb/s)
IEEE 802.3bt	PoE Types 1, 2, 3, and 4

### CHARACTERISTICS

Dimensional Characteristics	
Length per reel	1000 ft (305 m)
Number of pairs	4
Usage Characteristics	
Category	Cat 5e
Type of cable	OSP
Temperature (Storage):	-40 °C to +60 °C
Temperature (Installation):	-10 °C to +50 °C
Temperature (Operating):	-40 °C to +60 °C

### COLOR CODE

Pair 1	Blue	White
Pair 2	Orange	White
Pair 3	Green	White
Pair 4	Brown	White

### TECHNICAL SPECIFICATIONS

Electrical properties (20 °C ± 5 °C)	
DC resistance	Max. 9.38 Ω/100 m max.
DC resistance unbalance	Max. 5%
Velocity of propagation	65% of nom.
Mutual capacitance	Nom. 5.3 nF/100 m at 1 kHz
Capacitance unbalance (pair-to-ground)	Max. 330 pF/100 m at 1 kHz
Delay skew	25 ns/100 m max.

### TECHNICAL DATA - PHYSICAL

Conductor	24 AWG bare copper	
Max conductor diameter - in. (mm)	0.020	(0.51)
Max insulated conductor diameter - in. (mm)	0.038	(0.97)
Nom. cable diameter - in. (mm)	0.210	(5.33)
Nom. cable weight - lb./kft (kg/km)	22	(32.74)
Max. installation tension - lb. (N)	25	(110)
Min. bend radius - in. (mm)	1.00	(25.4)

### GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS

Freq. MHz	RL (dB)		NEXT (dB)		PSNEXT (dB)		*ACR (dB/100 m)		*PSACR (dB/100 m)	
	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee
1	20.0	20.0	65.3	66.3	62.3	62.3	63.3	64.3	60.3	60.3
4	23.0	23.0	56.3	57.3	53.3	53.3	52.2	53.2	49.2	49.2
10	25.0	25.0	50.3	51.3	47.3	47.3	43.8	44.8	40.8	40.8
16	25.0	25.0	47.2	48.2	44.2	44.2	39.0	40.0	36.0	36.0
20	25.0	25.0	45.8	46.8	42.8	42.8	36.5	37.5	33.5	33.5
31.25	23.6	23.6	42.9	43.9	39.9	39.9	31.2	32.2	28.2	28.2
62.5	21.5	21.5	38.4	39.4	35.4	35.4	21.4	22.4	18.4	18.4
100	20.1	20.1	35.3	36.3	32.3	32.3	13.3	14.3	10.3	10.3

\*TIA Spec values for ACR and PSACR are provided for information only.

**PRODUCT SPECIFICATIONS**  
**Hyper Plus 5e OSP UTP Cables**



Hyper Plus 5e OSP UTP Cables

**GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS, CONTINUED**

Freq. MHz	IL (dB/100 m)		ACRF (dB/100 m)		PSACRF (dB/100 m)	
	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee
1	2.0	2.0	63.8	63.8	60.8	60.8
4	4.1	4.1	51.8	51.8	48.8	48.8
10	6.5	6.5	43.8	43.8	40.8	40.8
16	8.2	8.2	39.7	39.7	36.7	36.7
20	9.3	9.3	37.8	37.8	34.8	34.8
31.25	11.7	11.7	33.9	33.9	30.9	30.9
62.5	17.0	17.0	27.9	27.9	24.9	24.9
100	22.0	22.0	23.8	23.8	20.8	20.8

**PART NUMBERS**

Description	Part No.
Hyper Plus 5e OSP, black, reel	10071496

**PRINT LEGEND:**

BERK-TEK HYPER PLUS CAT 5E 24AWG TYPE F OUTDOOR TIA-568.2-D CAT 5E & ISO/IEC11801 CAT 5 [DATE] [COUNTER] FT

For further support information, visit [leviton.com/ns/support](http://leviton.com/ns/support)

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