

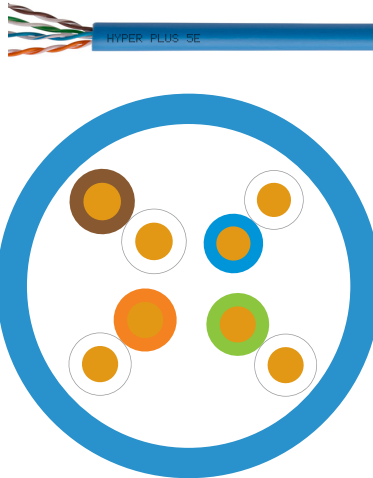
## PRODUCT SPECIFICATIONS

### Hyper Plus 5e Patch Cable

# Hyper Plus 5e Patch Cable

## APPLICATION

Hyper Plus 5e Cat 5e UTP Cables are designed for horizontal network and voice applications in a structured cabling network to connect between the user outlet and horizontal cross-connect.



## BENEFITS

- Universally accepted design for commercial network installations
- Simplified structured cabling solution preserving long-term network investment
- Supports voice applications and up to gigabit data speeds

## CONSTRUCTION

24 AWG bare copper wire insulated with thermoplastic. Two insulated conductors twisted together to form a pair and four such pairs cabled to form the basic unit under a flame-retardant jacket.

## STANDARDS & REGULATIONS

- ANSI/TIA-568.2-D Cat 5e
- RoHS compliant
- UL 444 rated
- 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

- UL 1685, CM

## COUNTRY OF ORIGIN

USA

## WARRANTY INFORMATION

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

# PRODUCT SPECIFICATIONS

## Hyper Plus 5e Patch Cable

### 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	UTP
Recommended installation temp. range	5 °C to 50 °C
Recommended operating temp. range	-20 °C to 60 °C
Listed jacket temp.	75 °C

### COLOR CODE

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

### TECHNICAL SPECIFICATIONS

#### ELECTRICAL PROPERTIES (20 °C ± 5 °C)

DC resistance	Max. 9.09 Ω/100 m max.
DC resistance unbalance	Max. 5%
Velocity of propagation	69% of nom.
Mutual capacitance	Nom. 5.1 nF/100 m at 1 kHz
Capacitance unbalance (pair-to-ground)	Max. 330 pF/100 m at 1 kHz
Delay skew	45 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)	0.04	(1.02)
Nom. cable diameter - in. (mm)	0.215	(5.5)
Nom. cable weight - lb./kft (kg/km)	23	(34)
Max. installation tension - lb. (N)	25	(110)
Min. bend radius - in. (mm)	1	(25.4)

### GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS

Freq.	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	62.9	63.9	59.9	59.9
4	23.0	23.0	56.3	57.3	53.3	53.3	51.4	52.4	48.4	48.4
10	25.0	25.0	50.3	51.3	47.3	47.3	42.5	43.5	39.5	39.5
16	25.0	25.0	47.2	48.2	44.2	44.2	37.3	38.3	34.3	34.3
20	25.0	25.0	45.8	46.8	42.8	42.8	34.7	35.7	31.7	31.7
31.25	23.3	23.3	42.9	43.9	39.9	39.9	28.8	29.8	25.8	25.8
62.5	20.7	20.7	38.4	39.4	35.4	35.4	18.0	19.0	15.0	15.0
100	19.0	19.0	35.3	36.3	32.3	32.3	8.9	9.9	5.9	5.9

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

## PRODUCT SPECIFICATIONS

### Hyper Plus 5e Patch Cable

#### GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS, CONTINUED

Freq.	IL (dB/100 m)		ACRF (dB/100 m)		PSACRF (dB/100 m)	
	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee
MHz						
1	2.4	2.4	63.8	63.8	60.8	60.8
4	4.9	4.9	51.8	51.8	48.8	48.8
10	7.8	7.8	43.8	43.8	40.8	40.8
16	9.9	9.9	39.7	39.7	36.7	36.7
20	11.1	11.1	37.8	37.8	34.8	34.8
31.25	14.1	14.1	33.9	33.9	30.9	30.9
62.5	20.4	20.4	27.9	27.9	24.9	24.9
100	26.4	26.4	23.8	23.8	20.8	20.8

#### PART NUMBERS

Description	Color	Packaging	Part No.
Hyper Plus 5e Patch Cable	Gray	Reel	10032718
Hyper Plus 5e Patch Cable	Black	Reel	10032705
Hyper Plus 5e Patch Cable	Red	Reel	10032707
Hyper Plus 5e Patch Cable	Green	Reel	10033709
Hyper Plus 5e Patch Cable	Orange	Reel	10034057
Hyper Plus 5e Patch Cable	Yellow	Reel	10032711
Hyper Plus 5e Patch Cable	Blue	Reel	10032713
Hyper Plus 5e Patch Cable	Violet	Reel	10032715
Hyper Plus 5e Patch Cable	White	Reel	10032716
Hyper Plus 5e Patch Cable	Pink	Reel	10033590

For other colors or packaging, contact Customer Support at (800) 722-2082.

#### PRINT LEGEND:

BERK-TEK HYPER PLUS 24 AWG STRANDED CM 75C C(UL)US ETL VERIFIED TIA-568.2-D CAT5E & ISO/IEC 11801 CAT 5 [DATE] [COUNTER]

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

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