

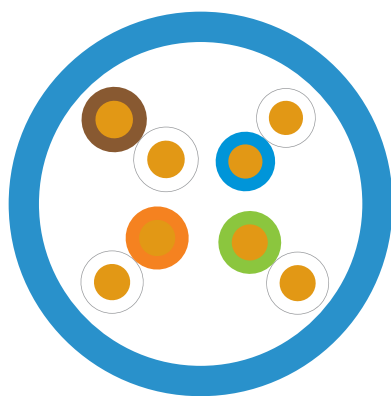
PRODUCT SPECIFICATIONS

Hyper Plus 5e Riser Rated Cat 5e UTP Cable

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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 global commercial network installations
- Simplified structured cabling solution preserving long-term network investment
- Characterized to 250 Mhz, 150 Mhz greater than the standard
- Supports most data and voice applications
- The CMR LSHF/LSZH* version is designed and manufactured by Leviton in a carbon neutral facility using 100% renewable energy for a more sustainable future

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 Riser 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

- Riser - UL 1666, CMR
- UL Listed as CMR

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/ns/warranty

*Low Smoke Halogen Free/Low Smoke Zero Halogen

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HIGH SPEED DATA AND POWER APPLICATIONS

IEEE 802.3	5GBASE-T (5 Gb/s without alien crosstalk), 2.5GBASE-T (2.5 G/s without alien crosstalk), 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	0 °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. 9.38 Ω/100 m
DC resistance unbalance	Max. 5%
Mutual capacitance	Nom. 5 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)	0.022	(0.56)
Max insulated conductor diameter - in. (mm)	0.043	(1.09)
Nom. cable diameter - in. (mm)	0.199	(5.05)
Nom. cable weight - lb./kft (kg/kft)	21.6	(9.8)
Max. installation tension - lb. (N)	25	(110)
Min. bend radius - in. (mm)	1	(25.4)

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GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS

Freq. MHz	RL (dB)		NEXT (dB)		PSNEXT (dB)		ACRF (dB/100 m)	
	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	63.8	63.8
4	23.0	23.0	56.3	57.3	53.3	53.3	51.8	51.7
10	25.0	25.0	50.3	51.3	47.3	47.3	43.8	43.8
16	25.0	25.0	47.2	48.3	44.2	44.3	39.7	39.7
20	25.0	25.0	45.8	46.8	42.8	42.8	37.8	37.8
31.25	23.6	24.3	42.9	43.9	39.9	39.9	33.9	33.9
62.5	21.5	21.5	38.4	39.4	35.4	35.4	27.9	27.8
100	20.1	20.1	35.3	36.3	32.3	32.3	23.8	23.8
150**	—	18.9	—	33.7	—	29.7	—	20.2
200**	—	18.0	—	31.8	—	27.8	—	17.7
250**	—	17.3	—	30.3	—	26.3	—	15.8

GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS, CONTINUED

Freq. MHz	IL (dB/100 m)		ACR* (dB/100 m)		PSACR* (dB/100 m)		PSACRF (dB/100 m)	
	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee
1	2.0	2.0	63.3	64.3	60.3	60.3	60.8	60.8
4	4.1	4.1	52.2	53.2	49.2	49.2	48.8	48.7
10	6.5	6.5	43.8	44.8	40.8	40.8	48.8	40.8
16	8.2	8.2	39.0	40.0	36.0	36.0	36.7	36.7
20	9.3	9.3	36.5	37.5	33.5	33.5	34.8	34.8
31.25	11.7	11.7	31.2	32.2	28.2	28.2	30.9	30.9
62.5	17.0	17.0	21.4	22.4	18.4	18.4	24.9	24.8
100	22.0	22.0	13.3	14.3	10.3	10.3	20.8	20.8
150**	—	27.5	—	6.1	—	2.1	—	—
200**	—	32.4	—	-0.6	—	-4.6	—	—
250**	—	36.9	—	-6.5	—	-10.5	—	—

*TIA values for ACR and PSACR are provided for information only
**Hyper Plus 5e is guaranteed to 100 MHz; values shown above 100 MHz are for information only

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PART NUMBERS

Description	Color	Packaging	Length (Ft.)	Nominal Velocity of Propagation	COO	Part No.
Riser (CMR)						
Hyper Plus 5e CMR (discontinued as of 2/1/23)	White	Box	1000	70%	USA	10032535
Hyper Plus 5e CMR (discontinued as of 2/1/23)	Black	Box	1000	70%	USA	10032536
Hyper Plus 5e CMR (discontinued as of 2/1/23)	Blue	Box	1000	70%	USA	10032528
Hyper Plus 5e CMR (discontinued as of 2/1/23)	Dark gray	Box	1000	70%	USA	10032510
Hyper Plus 5e CMR (discontinued as of 2/1/23)	Yellow	Box	1000	70%	USA	10032531
Dual-Rated (CMR / LSHF / LSZH*)						
Hyper Plus 5e CMR LSHF/LSZH	Blue	Box	1000	69%	UK	11142475
Hyper Plus 5e CMR LSHF/LSZH	White	Box	1000	69%	UK	11142476

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

*Low Smoke Halogen Free/Low Smoke Zero Halogen

PRINT LEGEND (CMR):

BERK-TEK HYPER PLUS 5E 24 AWG CMR 75C C(ETL)US MEETS UL 444 ETL VERIFIED TIA-568.2-D CAT 5E & ISO/IEC 11801 CAT 5 [DATE] [COUNTER] [UID]

PRINT LEGEND (CMR LSHF/LSZH):

BERK-TEK HYPER PLUS 5E CMR LSHF/LSZH --- 24 AWG CMR 75C (UL)US E474303 EN 50399 EuroClass Dca s2 d2 a1 BBBB 3P VERIFIED TIA-568.2-D CAT 5E [DATE(www/yyyy)] [COUNTER] FT

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