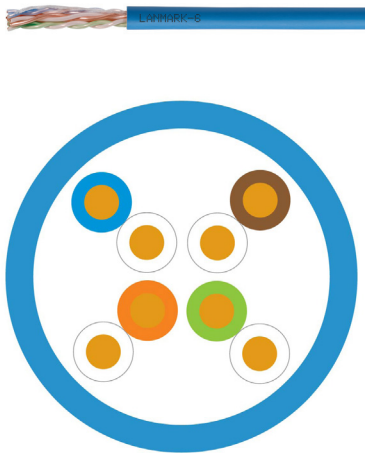


LANMARK-6 UTP Riser Rated Cable

APPLICATION

The Leviton LANMARK-6 features a reduced diameter compared to other Cat 6 UTP cables. This is an ETL Cat 6 verified cable, constructed without the center spline for easy installation and termination. LANMARK-6 is capable of transmitting applications such as 1000BASE-T. It is ideal for network applications that extend to 250 MHz. LANMARK-6 is available in both CMP and CMR and conforms to ANSI/TIA-568.2-D Cat 6 and ISO/IEC 11801 2nd Edition Class E Cat 6 requirements.



BENEFITS

- Provides Cat 6 performance
- Value engineered entry level Cat 6 solution
- Provides additional usable bandwidth required for future applications
- Superior box design allows cable to be pulled easily from the box with minimum kinking
- Compact box design takes up less shelf space
- Clearly identified packaging eliminates potential confusion
- Max bundle size for 100 W PoE is 240 cables
- Unique ID in print legend allows cable to be traced without additional equipment

FEATURES

- Cost effective compact design
- Characterized to 500 MHz, 250 MHz greater than the standard
- Jacketed with flame-retardant polymer
- 3rd party verified Cat 6 performance

STANDARDS & REGULATIONS

- ANSI/TIA 568.2-D
- ISO/IEC 11801
- IEEE 802.3 PoE Type 1, 2, 3, 4 (100 watts max)
- Cisco UPOE, UPOE+ (90 watts max)
- Power over HDBaseT™ PoH (95 watts max)
- UL 444
- RoHS Compliant

FIRE RATING

- UL 1666 Riser - NFPA 70
- CMR - Riser Rated

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

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

PRODUCT SPECIFICATIONS
LANMARK™-6 UTP Riser Rated Cable



LANMARK-6 UTP Riser Rated Cable

TECHNICAL SPECIFICATIONS

Electrical properties (20 °C ± 5 °C)	
DC resistance	Max. 9.38 Ω/100 m
DC resistance unbalance	Max. 5%
Mutual capacitance	Nom. 5.1 nf/100 m at 1 kHz
Capacitance unbalance (pair-to-ground)	Max. 330 pf/100 m at 1 kHz
Nominal velocity of propagation	69%
Delay skew	45 ns/100 m max.

CHARACTERISTICS

Dimensional Characteristics	
Length per reel	1000 ft (305 m)
Number of pairs	4
Usage Characteristics	
Field of application	Indoor
Category	Cat 6 Indoor
Type of cable	UTP
Temperature (Installation):	+5 °C to +50 °C (+41 °F to +122 °F)
Temperature (Operating):	-20 °C to +60 °C (-4 °F to +140 °F)
Temperature (Storage):	-20 °C to +60 °C (-4 °F to +140 °F)
Listed temperature	+75 °C (+167 °F)

HIGH SPEED DATA AND POWER APPLICATIONS

IEEE 802.3	2.5/5GBASE-T (2.5/5 Gb/s), 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

TECHNICAL DATA - PHYSICAL

Conductor	24 AWG bare copper	
Conductor diameter	0.021 inches	(0.53)
Max insulated conductor diameter - in. (mm)	0.038	(0.97)
Nom. cable weight - lb./kft (kg/km)	19.5	(29.0)
Nom. cable diameter - in. (mm)	0.205	(5.21)

COLOR CODE

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

PRODUCT SPECIFICATIONS
LANMARK™-6 UTP Riser Rated Cable



LANMARK-6 UTP Riser Rated Cable

GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS											
Freq.	RL (dB)		NEXT (dB)		PS NEXT (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	
MHz											
1	20.0	20.0	74.3	74.3	72.3	72.3	72.3	72.3	70.3	70.3	
4	23.0	23.0	65.3	65.3	63.3	63.3	61.5	61.5	59.5	59.5	
10	25.0	25.0	59.3	59.3	57.3	57.3	53.3	53.3	51.3	51.3	
16	25.0	25.0	56.2	56.2	54.2	54.2	48.7	48.7	46.7	46.7	
20	25.0	25.0	54.8	54.8	52.8	52.8	46.3	46.3	44.3	44.3	
31.25	23.6	23.6	51.9	51.9	49.9	49.9	41.2	41.2	39.2	39.2	
62.5	21.5	21.5	47.4	47.4	45.4	45.4	32.0	32.0	30.0	30.0	
100	20.1	20.1	44.3	44.3	42.3	42.3	24.5	24.5	22.5	22.5	
150	18.9	18.9	41.7	41.7	39.7	39.7	16.9	16.9	14.9	14.9	
200	18.0	18.0	39.8	39.8	37.8	37.8	10.8	10.8	8.8	8.8	
250	17.3	17.3	38.3	38.3	36.3	36.3	5.5	5.5	3.5	3.5	
300**	—	16.8	—	37.1	—	35.1	—	0.7	—	-1.3	
350**	—	16.3	—	36.1	—	34.1	—	-3.6	—	-5.6	
400**	—	15.9	—	35.3	—	33.3	—	-7.7	—	-9.7	
450**	—	15.5	—	34.5	—	32.5	—	-11.5	—	-13.5	
500**	—	15.2	—	33.8	—	31.8	—	-15.1	—	-17.1	

*ACR and PSACR are provided for calculation only; they are not guaranteed for LANMARK-6

**LANMARK-6 is guaranteed between 1 MHz and 250 MHz; values above 250 MHz are for reference only and not a part of the product guarantee.

GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS, CONTINUED								
Freq.	IL (dB/100 m)		ACRF (dB/100 m)		PSACRF (dB/100 m)		LCL/TCL (dB)	EL TCTL (dB)
	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	Product Guarantee	Product Guarantee
MHz								
1	2.0	2.0	67.8	67.8	64.8	64.8	40.0	35.0
4	3.8	3.8	55.8	55.8	52.8	52.8	40.0	23.0
10	6.0	6.0	47.8	47.8	44.8	44.8	40.0	15.0
16	7.6	7.6	43.7	43.7	40.7	40.7	38.0	10.9
20	8.5	8.5	41.8	41.8	38.8	38.8	37.0	9.0
31.25	10.7	10.7	37.9	37.9	34.9	34.9	35.1	—
62.5	15.4	15.4	31.9	31.9	28.9	28.9	32.0	—
100	19.8	19.8	27.8	27.8	24.8	24.8	30.0	—
150	24.7	24.5	24.3	24.3	21.3	21.3	28.2	—
200	29.0	28.8	21.8	21.8	18.8	18.7	27.0	—
250	32.8	32.8	19.8	19.8	16.8	16.8	26.0	—
300*	—	36.4	—	18.3	—	15.3	25.2	—
350*	—	39.8	—	16.9	—	13.9	24.6	—
400*	—	43.0	—	15.8	—	12.8	24.0	—
450*	—	46.0	—	14.7	—	11.7	23.5	—
500*	—	48.9	—	13.8	—	10.8	23.0	—

*LANMARK-6 is guaranteed between 1 MHz and 250 MHz; values above 250 MHz are for reference only and not a part of the product guarantee.

PRODUCT SPECIFICATIONS
LANMARK™-6 UTP Riser Rated Cable



LANMARK-6 UTP Riser Rated Cable

PART NUMBERS				
Description	Color	Packaging	Length (Ft.)	Part No.
LANMARK-6 UTP Riser	White	Box	1000	10136340
LANMARK-6 UTP Riser	Blue	Box	1000	10136339
LANMARK-6 UTP Riser	Dark gray	Box	1000	11091257
LANMARK-6 UTP Riser	Yellow	Box	1000	10136753
LANMARK-6 UTP Riser	Green	Box	1000	10136752
LANMARK-6 UTP Riser	Pink	Box	1000	11058425
LANMARK-6 UTP Riser	Red	Box	1000	10170931
LANMARK-6 UTP Riser	Black	Box	1000	10170932
LANMARK-6 UTP Riser	Violet	Box	1000	11072302
LANMARK-6 UTP Riser	Orange	Box	1000	10189773
LANMARK-6 UTP Riser	White	Reel	1000	10136343
LANMARK-6 UTP Riser	Blue	Reel	1000	10136342
LANMARK-6 UTP Riser	Dark gray	Reel	1000	11091285
LANMARK-6 UTP Riser	Yellow	Reel	1000	10136775
LANMARK-6 UTP Riser	Green	Reel	1000	10136774
LANMARK-6 UTP Riser 1500 ft. SMARTPAK™	White	Box	1500	11074744
LANMARK-6 UTP Riser 1500 ft. SMARTPAK	Blue	Box	1500	11074703
LANMARK-6 UTP Riser 1500 ft. SMARTPAK	Dark gray	Box	1500	11094953
LANMARK-6 UTP Riser 1500 ft. SMARTPAK	Yellow	Box	1500	11074906
LANMARK-6 UTP Riser 1500 ft. SMARTPAK	Green	Box	1500	11074907

PRINT LEGEND:

BERK-TEK LANMARK-6 24 AWG CMR 75C C(ETL)US ETL VERIFIED TIA-568.2-D CAT 6 [DATE] [COUNTER] [UID]

For further support information, visit leviton.com/ns/support

USA
 Network Solutions Headquarters
 +1 (800) 722 2082
infoUSA@leviton.com
 Leviton Cable (formerly Berk-Tek)
 +1 (800) 237 5835 | infoUSA@leviton.com

Asia Pacific
 +852 3620 2602
infoAPAC@leviton.com

Canada
 +1 (800) 461 2002
infoCanada@leviton.com

Europe
 +44 (0) 1592 772124
infoEurope@leviton.com

Latin America
 MX: +52 (55) 2128 6286
 LATAM: +52 (55) 2333 5963
infoLATAM@leviton.com

Middle East & Africa
 +971 (4) 247 9800
infoMEA@leviton.com

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