

## SST Cat 6A UTP Riser Cable

### APPLICATION

Leviton SST is the highest-performing Cat 6A UTP cable, and the best choice for high-bandwidth mission-critical applications such as Wi-Fi 5/6 access points, medical imaging technology, financial/trading platforms, and ultra-high-definition 4K video. SST offers unmatched assurance of network performance with superior signal isolation and excellent high-PoE performance. A specially designed isolation wrap provides superior heat management and noise-canceling performance.



### BENEFITS

- Unmatched assurance of network performance
- Capable of supporting network operation in adverse real-world conditions
- High-density bundles guaranteed to support 10 Gigabit Ethernet applications
- Worry-free PoE performance and virtually unlimited bundle size and tray fill

### FEATURES

- Small 0.275" (6.99 mm) diameter
- 10 dB of Alien Crosstalk margin (best in class)
- 4 dB Far End Attenuation to Crosstalk Ratio (ACRF) and Power Sum ACR (PSACRF) Margins (key indicator of internal noise immunity and the signal to noise ratio)
- Listing temperature up to 75 °C
- Performance beyond standard are independently verified by ETL in the Leviton Verified Performance program
- Premier Cat 6A performance margins with Leviton's ATLAS-X1™ connectivity
- Max cable bundle size for PoE (100 W) is 480 cables

### STANDARDS & REGULATIONS

- ANSI/TIA 568.2-D
- CSA C22.2 N° 214-02
- 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)
- UL 444
- RoHS Compliant

### FIRE RATING

- Riser - NFPA 70
- CMR - Riser Rated
- UL Listed as CMR-LP (0.5A)

### COUNTRY OF ORIGIN

USA

### WARRANTY INFORMATION

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

**PRODUCT SPECIFICATIONS**  
**SST Cat 6A UTP Riser Cable**



**TECHNICAL SPECIFICATIONS**

**Mechanical Properties**

Min. bending radius	1.25 inches (31.75 mm)
Max. installation tension	25 lb. (110 N)
Nominal cable weight	34 lb./kft (51 kg/km)

**Usage Characteristics**

Field of application	Indoor
Category	Cat. 6A
Temperature (Installation):	+5 °C to +50 °C
Temperature (Operating):	-20 °C to +60 °C
Temperature (Storage):	-20 °C to +60 °C
Listed cable temp.	+75 °C

**Electrical Properties (-20 °C ± 5 °C)**

DC resistance	Max. 9.38 Ω/100 m max.
DC resistance unbalance	Max. 5% at +20 °C
Mutual capacitance	Nom. 5.1 nf/100 m at 1 kHz
Pair-to-ground unbalance	330 pf/100 m max.
Nominal velocity of propagation	67%
Delay skew	45 ns/100 m

**CHARACTERISTICS**

**Physical Properties**

Length per reel	1000 feet	
Conductor	Bare copper wire	23 AWG
Conductor diameter	0.022 inches (0.56 mm)	
Insulation	Isolation wrap	Ø 0.047 inches (1.19 mm)
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: White/Blue                      2: White/Orange 3: White/Green                    4: White/Brown	
Number of pairs	4 pairs	
Type of cable	UTP with Isolation Wrap	
Outer diameter	0.275 inches (6.99 mm) OD	

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**GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS**

Freq. MHz	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
1	20.0	20.0	74.3	74.3	72.3	72.3	72.2	72.2	70.2	70.2
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	53.4	53.4	51.4	51.4
16	25.0	25.0	56.2	56.2	54.2	54.3	48.8	48.8	46.8	46.8
20	25.0	25.0	54.8	54.8	52.8	52.8	46.4	46.4	44.4	44.4
31.25	23.6	23.6	51.9	51.9	49.9	49.9	41.4	41.4	39.4	39.4
62.5	21.5	21.5	47.4	47.4	45.4	45.4	32.4	32.4	30.4	30.4
100	20.1	20.1	44.3	44.3	42.3	42.3	25.2	25.2	23.2	23.2
250	17.3	17.3	38.3	38.3	36.3	36.3	7.3	7.3	5.3	5.3
350	16.3	16.3	36.1	36.1	34.1	34.1	-1.1	-1.1	-3.1	-3.1
400	15.9	15.9	35.3	35.3	33.3	33.3	-4.8	-4.8	-6.8	-6.8
500	15.2	15.2	33.8	33.8	31.8	31.8	-11.4	-11.4	-13.4	-13.4
600**	—	14.7	—	32.6	—	30.6	—	-17.4	—	-19.4
750**	—	14.0	—	31.2	—	29.2	—	-25.5	—	-27.4

\*Values for ACR and PSACR are provided as calculations. PSACR is guaranteed to 300 MHz. \*\*SST is guaranteed between 1 MHz and 500 MHz. Values above 500 MHz are for reference only.

**GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS, CONTINUED**

Freq. MHz	IL (dB/100 m)		ACRF (dB/100 m)		PSACRF (dB/100 m)		PSANEXT (dB)		PSAACRF (dB)		LCL/TCL (dB)	EL TCTL (dB)
	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	Product Guarantee	Product Guarantee
1	2.1	2.1	67.8	71.8	64.8	68.8	67.0	77.0	67.0	77.0	50.0	35.0
4	3.8	3.8	55.8	59.8	52.8	56.8	67.0	77.0	66.2	76.2	44.0	23.0
10	5.9	5.9	47.8	51.8	44.8	48.8	67.0	77.0	58.2	68.2	40.0	15.0
16	7.5	7.5	43.7	47.7	40.7	44.7	67.0	77.0	54.1	64.1	38.0	10.9
20	8.4	8.4	41.8	45.8	38.8	42.8	67.0	77.0	52.2	62.2	37.0	9.0
31.25	10.5	10.5	37.9	41.9	34.9	38.9	67.0	77.0	48.3	58.3	35.1	—
62.5	15.0	15.0	31.9	35.9	28.9	32.9	65.6	75.6	42.3	52.3	32.0	—
100	19.1	19.1	27.8	31.8	24.8	28.8	62.5	72.5	38.2	48.2	30.0	—
250	31.1	31.1	19.8	23.8	16.8	20.8	56.5	66.5	30.2	40.2	26.0	—
350	37.2	37.2	16.9	20.9	13.9	17.9	54.3	64.3	27.3	37.3	24.6	—
400	40.1	40.1	15.8	19.8	12.8	16.8	53.5	63.5	26.2	36.2	24.0	—
500	45.3	45.3	13.8	17.8	10.8	14.8	52.0	62.0	24.2	34.2	23.0	—
600**	—	50.1	—	16.2	—	13.2	—	60.8	—	32.6	22.2	—
750**	—	56.7	—	14.3	—	11.3	—	59.4	—	30.7	21.2	—

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PART NUMBERS				
Description	Color	Packaging	Field Application	Part No.
SST UTP Riser Category 6A	Blue	Reel	Indoor	11104157
SST UTP Riser Category 6A	Orange	Reel	Indoor	11140416
SST UTP Riser Category 6A	Yellow	Reel	Indoor	11140411
SST UTP Riser Category 6A	Red	Reel	Indoor	11140413
SST UTP Riser Category 6A	Dark gray	Reel	Indoor	11140410
SST UTP Riser Category 6A	Green	Reel	Indoor	11140412
SST UTP Riser Category 6A	Black	Reel	Indoor	11140414
SST UTP Riser Category 6A	Violet	Reel	Indoor	11140415
SST UTP Riser Category 6A	White	Reel	Indoor	11140409
SST UTP Riser Category 6A	Blue	Reel in a box	Indoor	11140639
SST UTP Riser Category 6A	Orange	Reel in a box	Indoor	11140647
SST UTP Riser Category 6A	Yellow	Reel in a box	Indoor	11140642
SST UTP Riser Category 6A	Red	Reel in a box	Indoor	11140644
SST UTP Riser Category 6A	Dark gray	Reel in a box	Indoor	11140641
SST UTP Riser Category 6A	Green	Reel in a box	Indoor	11140643
SST UTP Riser Category 6A	Black	Reel in a box	Indoor	11140645
SST UTP Riser Category 6A	Violet	Reel in a box	Indoor	11140646
SST UTP Riser Category 6A	White	Reel in a box	Indoor	11140640

**PRINT LEGEND:**  
 LEVITON SST UTP 23 AWG CMR 75C C(ETL)US CMR-LP (0.5A) ETL VERIFIED TIA-568.2-D CAT 6A [DATE] [COUNTER] [UID]

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

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

**Asia Pacific**  
 +852 3620 2602  
[infoAPAC@leviton.com](mailto:infoAPAC@leviton.com)

**Canada**  
 +1 (800) 461 2002  
[infoCanada@leviton.com](mailto:infoCanada@leviton.com)

**Europe**  
 +44 (0) 1592 772124  
[infoEurope@leviton.com](mailto:infoEurope@leviton.com)

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

**Middle East & Africa**  
 +971 (4) 247 9800  
[infoMEA@leviton.com](mailto:infoMEA@leviton.com)

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