

SST Cat 6A UTP Outdoor 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-Power of Ethernet (PoE) performance. A specially designed isolation wrap provides superior heat management and noise-canceling performance.



FEATURES & BENEFITS

- Small 0.275" (6.99 mm) diameter for high-density installations
- Best in Class 10 dB of Alien Crosstalk (AXT) margin
- 4 dB Far End Attenuation to Crosstalk Ratio (ACRF) and Power Sum ACR (PSACRF) Margins for unmatched assurance of network performance
- 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 to support multi-gigabit networks in real-world conditions
- Isolation Wrap helps protect data from outside interference and dissipates heat for worry-free PoE
- Supports 1 GbE with PoE up to 155 m when used in the ATLAS-X1™ SST MILLENNIUM™ System

STANDARDS & REGULATIONS

- ANSI/TIA 568.2-D
- ISO/IEC 11801 Class E_A and IEC 61156-5
- EN50173-1 and EN 50288-11-1
- 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)
- RoHS Compliant

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

Must be installed per Leviton installation guidelines. Adherence to specific instructions is required to avoid water ingress and jacket abrasion during installation. The SST Outdoor cable does not contain water blocking gel. These cables are designed for various outdoor applications such as on building, above ground, lashed, or within conduit; installations exclude direct burial and self-supporting aerial installations. This cable is not intended for installation in standing water or in indoor locations beyond applicable building codes. The cable has no rodent deterrent properties. Please review installation specifics on the product web page Leviton.com/berktek. Failure to follow installation instructions could void warranty. For Leviton product warranties, go to Leviton.com/ns/warranty.

PRODUCT SPECIFICATIONS
SST Cat 6A UTP Outdoor Cable

CHARACTERISTICS

Dimensional Characteristics	
Length per reel	1000 ft (305 m)
Number of pairs	4
Usage Characteristics	
Category	Cat 6A
Fire Safety	Outdoor Rated
Temperature (Storage):	-20 °C to +60 °C (-4 °F to +140 °F)
Temperature (Installation):	+5 °C to +50 °C (+41 °F to +122 °F)
Temperature (Operating):	-20 °C to +60 °C (-4 °F to +140 °F)

TECHNICAL SPECIFICATIONS

Electrical properties (20 °C ± 5 °C)	
DC resistance	Max. 9.38 Ω/100 m at 20 °C
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
Delay Skew	45 ns/100 m max.
Nominal velocity of propagation	67%

HIGH SPEED DATA AND POWER APPLICATIONS

IEEE 802.3	10GBASE-T (10 Gb/s), 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 802.3	PoE Types 1, 2, 3, and 4

TECHNICAL DATA - PHYSICAL

Conductor	23 AWG Bare Copper	
Conductor Diameter - in. (mm)	0.022	(0.56)
Insulated Conductor Diameter - in. (mm)	0.047	(1.19)
Nom. Cable Diameter - in. (mm)	0.275	(6.99)
Nom. Cable Weight - lb./kft (kg/km)	34	(51.00)
Max. Installation Tension - lb. (N)	25	(110)
Min. Bend Radius - in. (mm)	1.25	(31.75)

COLOR CODE

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

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GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS

Freq. MHz	IL (dB)		RL (dB)		NEXT (dB)		PSNEXT (dB)		ACR (dB)*		PSACR (dB)†	
	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee
1	2.1	2.1	20.0	20.0	74.3	75.3	72.3	72.3	72.2	72.2	70.2	70.2
4	3.8	3.8	23.0	23.0	65.3	66.3	63.3	63.3	61.5	61.5	59.5	59.5
10	5.9	5.9	25.0	25.0	59.3	60.3	57.3	57.3	53.4	53.4	51.4	51.4
16	7.5	7.5	25.0	25.0	56.2	57.2	54.2	54.2	48.8	48.8	46.8	46.8
20	8.4	8.4	25.0	25.0	54.8	55.8	52.8	52.8	46.4	46.4	44.4	44.4
31.25	10.5	10.5	23.6	23.6	51.9	52.9	49.9	49.9	41.4	41.4	39.4	39.4
62.5	15.0	15.0	21.5	21.5	47.4	48.4	45.4	45.4	32.4	32.4	30.4	30.4
100	19.1	19.1	20.1	20.1	44.3	45.3	42.3	42.3	25.2	25.2	23.2	23.2
250	31.1	31.1	17.3	17.3	38.3	39.3	36.3	36.3	7.3	7.3	5.3	5.3
350	37.2	37.2	16.3	17.3	36.1	37.1	34.1	34.1	-1.1	-1.1	-3.1	-3.1
400	40.1	40.1	15.9	17.3	35.3	36.3	33.3	33.3	-4.8	-4.8	-6.8	-6.8
500	45.3	45.3	15.2	17.3	33.8	34.8	31.8	31.8	-11.4	-11.4	-13.4	-13.4
600**	—	50.1	—	14.7	—	32.6	—	30.6	—	-17.4	—	-19.4
750**	—	56.7	—	14.0	—	31.2	—	29.2	—	-25.5	—	-27.5

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

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PART NUMBERS

Description	Color	Packaging	Field Application	Part No.
SST UTP Outdoor Category 6A	Black	Reel	Outdoor	11144215

PRINT LEGEND:

LEVITON SST UTP CAT6A 23 AWG OUTDOOR TIA-568.2-D CAT6A AND ISO/IEC 11801 CLASS EA [DATE] [COUNTER] [UID]

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

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