

## SST Cat 6A UTP Cable, CMP

### APPLICATION

SST Cat 6A UTP cable features isolation wrap is ideal for use in data centers, education, health care, and government facilities where increased security and superior performance is critical. The design provides superior alien crosstalk suppression while the small cable outside diameter (6.35 mm) increases pathway capacity and improves airflow to critical active equipment. In addition, the isolation wrap helps dissipate heat from PoE power allowing larger bundle sizes.



### SPECIFICATION

The SST Cat 6A UTP cable shall have a nominal diameter of 6.35 mm. The cable shall be constructed of 23 AWG copper conductors. The cable shall incorporate an isolation wrap element, and shall exhibit alien crosstalk performance that exceeds TIA and ISO standards. The system shall be classified as Cat 6A UTP construction. The cable shall meet plenum NFPA-70 CMP flame rating. The cable shall meet ANSI/TIA 568.2-D Cat 6A and ISO/IEC 11801-1 Class E<sub>A</sub> performance requirements.

### FEATURES

- The isolation wrap design provides superior alien crosstalk suppression
- Smaller, lighter, more flexible cable saves time during installation and reduces labor costs
- Small cable outside diameter (6.35 mm) increases pathway capacity and improves airflow to critical active equipment
- Independently tested and verified to meet ANSI/TIA Cat 6A and ISO Class E<sub>A</sub> performance

### DESIGN CONSIDERATIONS

- Use with Leviton Cat 6A UTP QUICKPORT™ connectors, Cat 6A patch panels, and Cat 6A patch cords to support 10 Gigabit Ethernet performance
- Minimum bend radius = 4X cable outside diameter
- Available in two colors (blue and white)

### STANDARDS & REGULATIONS

- ANSI/TIA-568.2-D Cat 6A
- ISO/IEC 11801-1 Class EA
- EN 50173-1 Class EA
- IEC 61156-5
- RoHS 2 Compliant
- 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

CMP/FT6  
NFPA-70

### COUNTRY OF ORIGIN

USA

### WARRANTY INFORMATION

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

**PRODUCT SPECIFICATIONS**  
**IUTAP-MxS**

**TECHNICAL SPECIFICATIONS**

<b>Mechanical Properties</b>	
Min. bending radius	31.75 mm
Max. installation tension	110 N
Nominal cable weight	51 kg/km
<b>Usage Characteristics</b>	
Field of application	Indoor
Category	Cat 6A, CMP
Temperature (Installation):	+5 °C to +50 °C
Temperature (Operating):	-20 °C to +60 °C
Temperature (Storage):	-20 °C to +60 °C
Listed cable temp.	+105 °C
<b>Electrical Properties (-20 °C ± 5 °C)</b>	
DC resistance	Max. 9.38 Ω/100 m max.
DC resistance unbalance	Max. 4% 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	70%

**CHARACTERISTICS**

<b>Physical Properties</b>		
Length per reel	305 m	
Conductor	Bare copper wire	23 AWG
Insulation	FEP (Fluoropolymer)	27.18 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	6.35 mm	

**PART NUMBERS**

<b>Description</b>	<b>Part No.</b>
SST Cat 6A UTP Cable, CMP, blue, 305-meter spool	110-IUTAP-MLS
SST Cat 6A UTP Cable, CMP, white, 305-meter spool	112-IUTAP-MWS

**PRODUCT SPECIFICATIONS**  
**IUTAP-MxS**



**IUTAP-MxS**

**GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS**

Freq. MHz	Return Loss (dB)		NEXT (dB)		PS-NEXT (dB)		ACRF (dB)		PS-ANEXT (dB)		LCL/TCL
	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	Product Guarantee
1	20.0	20.0	74.3	74.3	72.3	72.3	67.8	71.8	67.0	77.0	50.0
4	23.0	23.0	65.3	65.3	63.3	63.3	55.8	59.8	67.0	77.0	44.0
10	25.0	25.0	59.3	59.3	57.3	57.3	47.8	51.8	67.0	77.0	40.0
16	25.0	25.0	56.2	56.2	54.2	54.3	43.7	47.7	67.0	77.0	38.0
20	25.0	25.0	54.8	54.8	52.8	52.8	41.8	45.8	67.0	77.0	37.0
31.25	23.6	23.6	51.9	51.9	49.9	49.9	37.9	41.9	67.0	77.0	35.1
62.5	21.5	21.5	47.4	47.4	45.4	45.4	31.9	35.9	65.6	75.6	32.0
100	20.1	20.1	44.3	44.3	42.3	42.3	27.8	31.8	62.5	72.5	30.0
250	17.3	17.3	38.3	38.3	36.3	36.3	19.8	23.8	56.5	66.5	26.0
350	16.3	16.3	36.1	36.1	34.1	34.1	16.9	20.9	54.3	64.3	24.6
400	15.9	15.9	35.3	35.3	33.3	33.3	15.8	19.8	53.5	63.5	24.0
500	15.2	15.2	33.8	33.8	31.8	31.8	13.8	17.8	52.0	62.0	23.0
600*	—	14.7	—	32.6	—	30.6	—	16.2	—	60.8	22.2
750*	—	14.0	—	31.2	—	29.2	—	14.3	—	59.4	21.2

**GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS, CONTINUED**

Freq. MHz	IL (dB/100 m)		ACR** (dB/100 m)		PS-ACR** (dB/100 m)		PS-ACRF (dB/100 m)		PS-AACRF (dB)		EL TCTL
	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	Product Guarantee
1	2.1	2.1	72.2	72.2	70.2	70.2	64.8	68.8	67.0	77.0	35.0
4	3.8	3.8	61.5	61.5	59.5	59.5	52.8	56.8	66.2	76.2	23.0
10	5.9	5.9	53.4	53.4	51.4	51.4	44.8	48.8	58.2	68.2	15.0
16	7.5	7.5	48.8	48.8	46.8	46.8	40.7	44.7	54.1	64.1	10.9
20	8.4	8.4	46.4	46.4	44.4	44.4	38.8	42.8	52.2	62.2	9.0
31.25	10.5	10.5	41.4	41.4	39.4	39.4	34.9	38.9	48.3	58.3	—
62.5	15.0	15.0	32.4	32.4	30.4	30.4	28.9	32.9	42.3	52.3	—
100	19.1	19.1	25.2	25.2	23.2	23.2	24.8	28.8	38.2	48.2	—
250	31.1	31.1	7.3	7.3	5.3	5.3	16.8	20.8	30.2	40.2	—
350	37.2	37.2	-1.1	-1.1	-3.1	-3.1	13.9	17.9	27.3	37.3	—
400	40.1	40.1	-4.8	-4.8	-6.8	-6.8	12.8	16.8	26.2	36.2	—
500	45.3	45.3	-11.4	-11.4	-13.4	-13.4	10.8	14.8	24.2	34.2	—
600*	—	50.1	—	-17.4	—	-19.4	—	13.2	—	32.6	—
750*	—	56.7	—	-25.5	—	-27.5	—	11.3	—	30.7	—

\*Cat 6A UTP cable is guaranteed between 1 MHz and 500 MHz; any values above 500 MHz should be marked as reference only and not a part of the product guarantee.

\*\* ACR values are provided as calculations only and are not guaranteed. PSACR is only guaranteed up to 300 MHz

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

Leviton Berk-Tek Cable: +1 (800) 237 5835  
berktek.info@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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