

Category 6A U/FTP

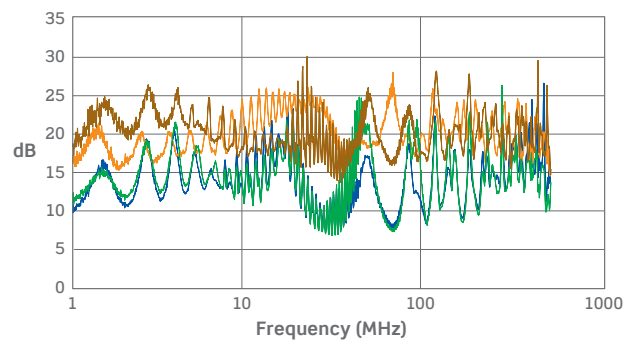
The NextLAN Category 6A U/FTP 10G Copper Cabling System, featuring Leviton shielded connectivity components and Superior Essex U/FTP (STP) shielded cable, combines exceptional electrical performance with robust construction and superior functionality. The system exceeds all specifications for CAT 6A per the TIA-568-C.2 standard. In addition, the system is independently verified to provide alien crosstalk (AXT) mitigation and noise immunity that surpasses unshielded systems. This makes the NextLAN 10G Shielded Connectivity Solution ideal for healthcare, government, manufacturing, gaming and other environments where EMI may be present and data security is paramount.

System Benefits

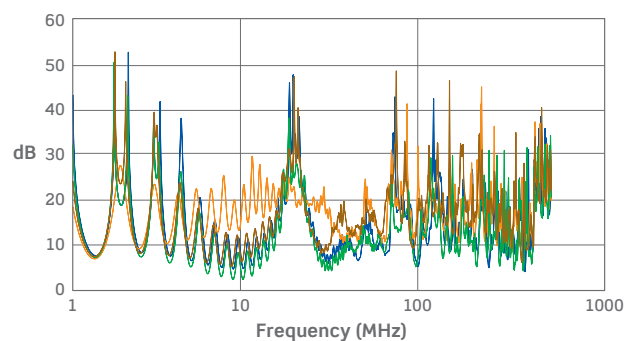
- Guaranteed to meet IEEE 802.3an 10GBASE-T performance
- Guaranteed to exceed all TIA-568-C.2 link and channel, IEEE 10GBASE-T (802.3an) and ISO/IEC 11801 Class E_A requirements
- Superior Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) protection
- Shielding isolates signals to provide added security for sensitive data
- Lifetime warranty for qualified installations
- Independently tested and verified to exceed industry standards
- Backwards compatible with CAT 5e and CAT 6 performance

NextLAN CAT 6A U/FTP Shielded Channel Specifications										
Freq. MHz	Max. Insertion Loss	Min. NEXT	Min. ACR	Min. PSNEXT	Min. PSACR	Min. PSANEXT	Min. PSAACRF	Min. ACRF	Min. PSACRF	Min. Return Loss
	dB/100 m									
1	2.3	65.0	62.7	65.0	62.7	67.0	67.0	63.3	60.3	19.0
4	4.2	63.0	58.9	60.5	56.4	67.0	65.0	51.2	48.2	19.0
10	6.5	56.6	50.1	54.0	47.5	67.0	57.0	43.3	40.3	19.0
16	8.2	53.2	45.0	50.6	42.4	67.0	52.9	39.2	36.2	18.0
25	10.2	50.0	39.8	47.3	37.1	66.0	49.0	35.3	32.3	17.0
31.25	11.5	48.4	36.9	45.7	34.2	65.1	47.1	33.4	30.4	16.5
62.5	16.4	43.4	27.0	40.6	24.2	62.0	41.1	27.3	24.3	14.0
100	20.9	39.9	19.0	37.1	16.2	60.0	37.0	23.3	20.3	12.0
200	30.1	34.8	4.7	31.9	1.8	55.5	31.0	17.2	14.2	9.0
250	33.9	33.1	-	30.2	-	54.0	29.0	15.3	12.3	8.0
350	40.6	30.3	-	27.3	-	51.8	26.1	12.4	9.4	6.6
400	43.7	28.7	-	25.8	-	51.0	25.0	11.2	8.2	6.0
450	46.5	27.3	-	24.4	-	50.2	23.9	10.2	7.2	6.0
500	49.3	26.1	-	23.2	-	49.5	23.0	9.3	6.3	6.0

PSACR, Worst Case Bidirectional Margin, 100-Meter Channel*



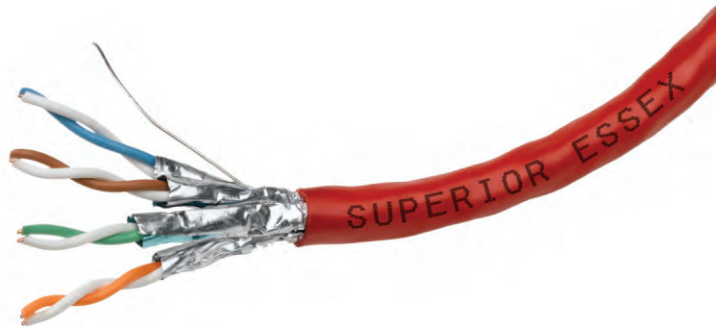
Return Loss, Worst Case Bidirectional Margin, 100-Meter Channel*



*Worst case 4-connector channel results from independent laboratory channel performance tests

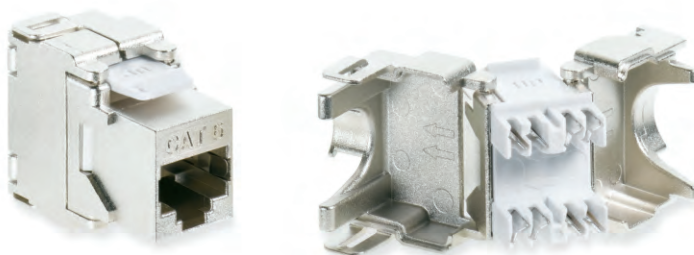
Superior Essex CAT 6A U/FTP (STP) Cable

- Guaranteed to meet TIA-568-C.2 and ISO/IEC 11801 specifications for shielded CAT 6A cable
- Individually shielded pairs (U/FTP) provide superior crosstalk performance versus overall foil shielded cable (F/UTP)
- 0.29-inch cable diameter is 15-20% smaller than comparable UTP CAT 6A cables, for greater conduit fill and high utilization of datacom closet space
- QuickCount® marking system (feet and meters) provides remaining length of cable on reel



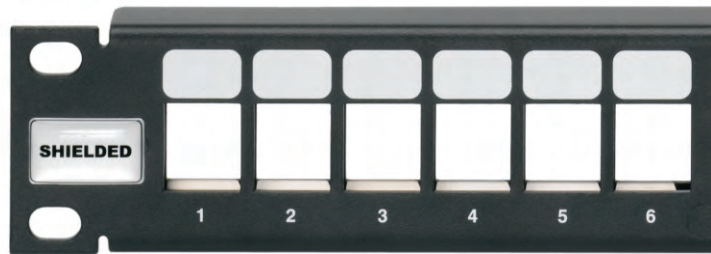
Leviton QuickPort® CAT 6A Shielded Connector

- Excellent AXT suppression
- Durable die-cast housing
- Fits all Leviton shielded patch panels
- 270° wide angle hinge provides easy access and termination
- Superior EMI/RFI protection and data security
- Tool free design eliminates need for a punchdown tool
- Independently tested to meet TIA-568-C.2 channel requirements



Leviton QuickPort CAT 6A Shielded Patch Panels

- Mitigates AXT with industry standard density
- Nickel plating for improved grounding
- Standard 19-inch panels for rack and cabinet applications
- Flat panels include heavy duty cable management bar
- All panels include grounding lug and star washers
- Meets TIA-568-C.2, FCC part 68 and IEC 60603-7 specifications
- Shielding protects against EMI and RFI



Leviton CAT 6A Component-Rated SlimLine Patch Cord

- SlimLine plug design reduces congestion in higher density applications
- Snagless design prevents tab breakage during MAC work
- Strain relief boot ensures long-term network performance
- Stranded 26-gauge construction provides longer flex-life
- 0.24-inch outside diameter maximizes flexibility
- FTP construction provides excellent AXT mitigation
- Independently tested by Intertek (ETL) to meet all TIA-568-C.2 component requirements



Lifetime Warranty

NextLAN system performance guarantees are backed by a lifetime warranty on certified horizontal and backbone systems with:

- A single point of contact
- Comprehensive coverage

Installed verification of permanent link performance provides automatic full channel warranty (when Leviton patch cords are used). Visit NextLANsystems.com for more information.

Testing/Certification

NextLAN systems are installed and thoroughly tested by highly trained technicians who have been certified by Leviton and Superior Essex.

NextLAN CAT 6A U/FTP Ordering Information

Superior Essex CAT 6A U/FTP (STP) Cable				
Listing	Part No.	Nom. Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Packages
CMR	6S-220-xA	0.31 (7.9)	50 (74)	1,000' Plywood Reel
CMP	6S-220-xB	0.29 (7.4)	52 (77)	1,000' Plywood Reel

x = Jacket Color: Choose from any of the colors below.



Leviton QuickPort CAT 6A Shielded Connector	
Description	Part No.
CAT 6A Shielded Connector	6S10G-S6A

Leviton QuickPort CAT 6A Shielded Patch Panels	
Description	Part No.
1RU 24-Port QuickPort Shielded Flat Panel	4S255-S24
2RU 48-Port QuickPort Shielded Flat Panel	4S255-S48
1RU 24-Port QuickPort Shielded Angled Panel	4S256-S24
2RU 48-Port QuickPort Shielded Angled Panel	4S256-S48

Panels accept all Leviton category-rated shielded connectors (connectors sold separately).

Leviton eXtreme CAT 6A Patch Cord	
Description	Part No.
CAT 6A Component-Rated SlimLine Patch Cord	6AS10-xx*

xx = Length: (03), (05), (07), (10), (15) or (20) feet.
Custom length cords available, call for more information.
* = Color: Choose from any of the colors below.



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