



# CAT6A Shielded RJ45 S/FTP Twisted Pair Patch Leads

## CCS® LSZH White CAT6A S/FTP Patch Leads

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### Features

- Ideal for transmissions at Category 6A / Class EA.
- Supports 10Gigabit Ethernet applications (IEEE 802.3an)
- Suitable for PoE/PoE+/PoE++ (IEEE 802.3af/at/bt)
- LSZH Jacket
- Tested to 500MHz

## Application

U/FTP CAT. 6A CCS® is suitable for temporary or permanent connections between active transmission equipment and patch panels or interconnections between panels in a structured cabling network and is ideal for the realization of transmission channels of Category 6A / Class EA.

It supports 10Gigabit Ethernet applications (IEEE 802.3an) and is suitable for PoE/PoE+/PoE++ (IEEE 802.3af/at/bt)

## Design

These patch leads are shielded in pairs with a copper braid and Aluminium/Polyethylene Terephthalate tape. The pairs are colour coded in White/Blue, White/Orange, White/Green and White/Brown and wired according to the TIA568B wiring scheme. Each conductor is made of stranded AWG 26 copper and insulated in UL94V-0 rated material. The jacket is made of white LSZH material and the plugs are constructed of blue UL94V-0 rated material. Each contact in the plug is Gold plated Phosphor Bronze alloy.

## Product Information

Conductor: Stranded bare copper (AWG26/7)

Insulation : UL94V-0 rated material

Outer Jacket: LSZH (RAL 9018)

Shield: Copper braid + Aluminium/PET tape

Plug type: Cat 6A 8P8C plug with loading bar (RAL 5015)

Plug Contacts: Phosphor bronze alloy plated with 50µm of gold

## Technical Information

Product Color	White/Blue
Conformance	Intertek CAT6A Component Level ISO/IEC 11801-1/2:2017 (Ed. 1.0) EN 50173-1/2:2018 ANSI/TIA-568.2-D IEC 61935-2 IEC 60512-99-002 AS/CA S008:2020
Temperature, Operation [°C]	0°C to +75°C
Temperature, Storage [°C]	-20°C to +60°C
Technical Notes	Electrical properties Contact resistance: Maximum 20 MΩ Insulation resistance: Minimum 100 MΩ @ 100V DC Current rating: 2A Characteristic impedance: 100 ±15 Ω  Mechanical properties  Insertion-extraction life: Minimum 750 cycles Retention: 50 N for 60 seconds

## Technical Details

Frequency	NEXT	RL
MHz	dB	dB
	min.*	min.*
1	65	-
10	64	22.8
100	45	18
200	41	15
250	39	14
300	37	12.8
400	33	10.9
500	31	9.5

Transmission Properties

Items 5

Item Name	Color	Diameter Ø [mm]	Length [m]	Form of Delivery
CAT6A S/FTP LSZH White - 0.5m CCS-2005095	White	6	0.5	Pack of 2
CAT6A S/FTP LSZH White - 1m CCS-2005091	White	6	1	Pack of 1
CAT6A S/FTP LSZH White - 2m CCS-2005092	White	6	2	Pack of 1
CAT6A S/FTP LSZH White - 3m CCS-2005093	White	6	3	Pack of 1
CAT6A S/FTP LSZH White - 5m CCS-2005094	White	6	5	Pack of 1