

## 152G6S Technical Specifications

True 24 AWG Category 6A Patch Cables

Rev. 191107

Liberty's 152G6S series of Category patch cables have been Developed to support applications that use power over Ethernet. Typical patch cables are commoditized, and many activities have occurred to trim costs. Using smaller and smaller conductors is great to save space for data use, but for Power applications, such as PoE or HDBaseT™, those smaller conductors can introduce issues in the link.

The 152G6S series is made with real 24 AWG bare copper conductors. This heavier copper ensures the voltage drop is less. The cable is double shielded with individual pair and overall foil shields. This helps with error free transmission. 50-micron gold plated contacts ensure reliable and durable continuous plugging and unplugging.

The UL listed bulk cable is CM rated for concealed installs. The Cable is tested and certified for ANSI/TIA-568 Category 6A and Third party tested for PoE, HDBaseT, and networking with Dante audio.

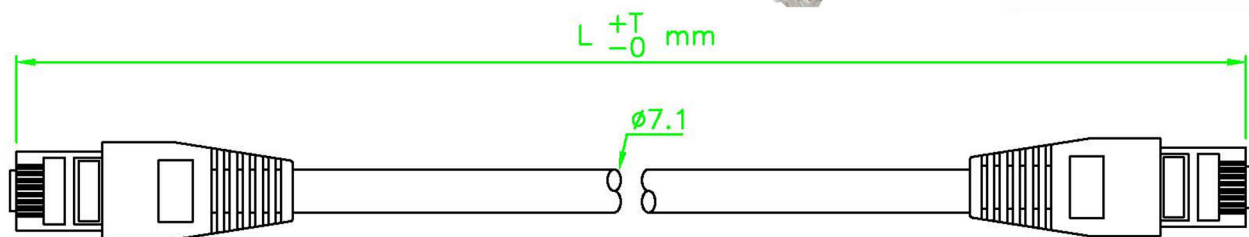
### Key Features:

- ANSI/TIA-568 Cat6<sub>A</sub> Rated
- True 24 AWG copper
- PoE, HDBaseT, Dante® power support
- NEC CM rated
- Snagless Boots

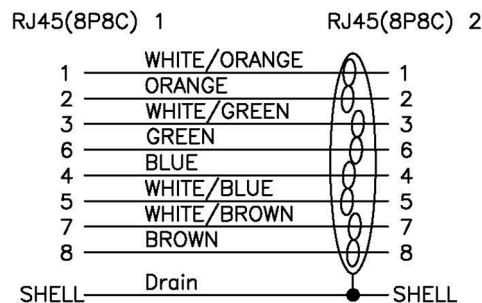
### Key Applications:

- Networking to 10GBaseT
- Low voltage attenuation
- PoE, HDBaseT®, Dante®

### Product Image and Drawing information:



568B Pin out



Technical Specifications	
<b>I/O Connections</b>	
LAN	Shielded RJ45 Plugs with External Ground Clamps 50-micron Gold plate contacts
<b>Supported Signals</b>	
LAN	All up to 10GBaseT Ethernet
HDBaseT	All revisions and resolutions
Power	1.5A, PoE++, PoC, PoH
Maximum Bandwidth	10Gbps @ 100m
<b>Cable Construction</b>	
Boot Material	PVC lead free
Boot Type	Snag Free
Cable Jacket Material	PVC Lead Free
Cable Construction	24 AWG Bare Copper, Foam PE Insulation, Foil shielded pairs with overall foil
Overall Cable Diameter	7.10 mm (0.280-inch)
Minimum Bend Radius	Unloaded: 29mm (1.14"), Loaded: 58mm (2.28")
Maximum Tensile Load	110n (25 Lbs)
<b>Environmental Requirements</b>	
Operating Temperature	-20° to 75° C (-4° to +167° F)
Operating Humidity	20% to 85%, Non-condensing
Storage Temperature	-30° to 75° C (-22° to +167° F)
Storage Humidity	20% to 85%, Non-condensing
<b>Regulatory</b>	
Performance	ANSI/TIA-568 Category 6 <sub>A</sub>
Safety	CM – UL1685 Vertical Tray Flame Test
<b>Other</b>	
Warranty	3 years

### Product Listing

Part Numbers	Part Description	Cable Length
152G6SC001	CAT6A STP PATCH CABLE 1' (color)	0.30 meters / 1 foot
152G6SC003	CAT6A STP PATCH CABLE 3' (color)	0.91 meters / 3 feet
152G6SC005	CAT6A STP PATCH CABLE 5' (color)	1.53 meters / 5 feet
152G6SC007	CAT6A STP PATCH CABLE 7' (color)	1.83 meters / 7 feet
152G6SC010	CAT6A STP PATCH CABLE 10' (color)	3.05 meters / 10 feet
152G6SC015	CAT6A STP PATCH CABLE 15' (color)	4.57 meters / 15 feet
152G6SC025	CAT6A STP PATCH CABLE 25' (color)	7.62 meters / 25 feet

Liberty Wire & Cable specifications are subject to change without notice. Contact an account representative for current product specifications. Liberty Wire & Cable continuously strives to ensure product specifications are accurate and complete. All physical specifications are nominal.

Jacket Color Choices for the "C" in the part numbers above:

0 = Black	6 = Blue	Example 152G6S4001 would be a 1-foot Yellow cable
4 = Yellow	8 = Gray	
5 = Green	9 = White	

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Dante® is a registered trademark of Audinate Pty Ltd.