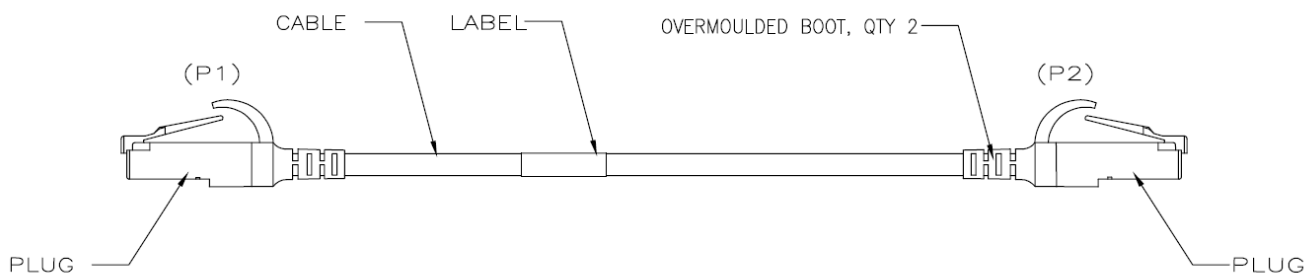


# Category 6A S/FTP 30AWG LSZH Cable Assemblies



TE Connectivity AMP NETCONNECT Category 6A S/FTP 30AWG LSZH cable assemblies with transparent SL boots meet or exceed the patch cord requirement of TIA-568-C.2 Category 6A and ISO/IEC 11801:2002/Amd 1:2008 Class E<sub>A</sub> up to 500 MHz when used as a component in a properly installed TE Connectivity AMP NETCONNECT Category 6A system.

TE Connectivity AMP NETCONNECT Category 6A S/FTP 30AWG LSZH cable assemblies meet all the performance requirements for current and proposed applications such as 10Gigabit Ethernet (10GBase-T), Gigabit Ethernet (1000BASE-Tx), 10/100BASE-Tx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog and digital video, analog and digital voice (VoIP) on all parameters. The cable assemblies are manufactured to create consistent performance superior to standard cable assemblies.

## Specification (text in brackets [ ] requires a choice)

TE Connectivity AMP NETCONNECT Category 6A S/FTP 30AWG LSZH cable assemblies are constructed using RJ45 modular plugs with 50u-inch gold-plated contacts, T568B wiring pattern. Cable assemblies utilize colored cat6A S/FTP LSZH cable and colored SL boots. Cable assemblies are constructed of significantly smaller stranded conductors with 30AWG. The stranded cable diameter is only 4.5mm. More than 50% space saving comparing to 26AWG cat6A S/FTP patch cord, more flexible for easier move/change/management. Cable assemblies meet the category 6A patch cord component requirements of TIA-568-C.2 and ISO/IEC 11801:2002/Amd 1:2008 Class E<sub>A</sub>.

Cable assemblies shall be [white, blue, gray, orange, yellow, red, green, black] in color.

White	Blue	Gray	Orange	Yellow	Red	Green	Black
1859916-X	1859834-X	1859918-X	1859835-X	1859832-X	1859919-X	1859833-X	1859917-X

\* Dash number (-X) specifies length in meters. 10m is the max. length provided.

## DATA SHEET

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# Category 6A S/FTP 30AWG LSZH Cable Assemblies

## Technical Details

### Materials

Cable	Conductors-	30 AWG, 7x0.10mm stranded copper
	Insulation-	Polyolefin, nom.0.7mm diameter
	Jacket-	LSZH,nom.4.5mm cable diameter, IEC60332-1 compliant
Boot		PVC
Plug housing		Clear Polycarbonate, UL94V0 rated
Terminals		Copper-tin-phosphor alloy with 50 $\mu$ -inch gold plating on selected area, gold flash over the remainder, $\geq$ 100 $\mu$ m nickel under plate

### Mechanical Characteristics

Operating Temperature	-10 to 60°C
Bending Radius	The minimum bending radius is 8x outside diameter during installation and 4x the outside diameter after installation.

## Length Guideline

The maximum length of the channel depends on the de-rating factor of the cabling components. The maximum length of the channel with 30AWG patch cords is in below table.

30AWG patch cord total length (Meter)	Max. total horizontal cable length(Meter)	Max. total channel length (Meter)
2	90	92
3	90	93
4	90	94
5	87.5	93.5
6	85	91
7	82.5	89.5
8	80	88
9	77.5	86.5
10	75	85
15	62.5	77.5
20	50	70

Revised on 2016/3.

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