

GPLPSCL6AL

Patch Cord Cable Category 6A –S-FTP LSZH 1-500MHz

General standards

- International standard: ISO/IEC 11801 2nd edition (2002) and ISO/IEC 11801 Amendment 2 (2010)
- European standard: EN 50173-1 (2002) and EN 50173-1 Amendment 1 (2009)
- U.S. Standards: ANSI/TIA/EIA 568-B.2-1 (2002)

Physical dimensions

1- Conductor

Material: BC - Bare Copper, Solid Stranding, Floating Screen
Shield Foil Aluminum
Diameter: 4 pair AWG 24

2- Insulation

Insulation - Polyolefin
Individual Pair Shield: Aluminum foil, providing 100% coverage with 25% overlap, aluminum facing out

3- Cable core

Drain Wire: Tinned copper braid laid in close contact with the individual foil shields
Number of pairs: 4, all twisted together with AWG 24 tinned Copper Wire
Color code pair 1: White / Blue & Blue
Color code pair 2: White / Orange & Orange
Color code pair 3: White / Green & Green
Color code pair 4: White / Brown & Brown

4- Jacket

Material: LSZH – Halogen Free Flame retardant
Nominal Diameter: 0.275 in.
Colors: Blue, Gray, white, Black, Green, Yellow, Orange

5- RJ Plug

8P8C Long Body Gold/Silver Shell Plated



Transmission Characteristics (Connectivity)

Frequency [MHz]	Max. Insertion Loss TIA* (dB)	Max. Insertion Loss Fumo (dB)	Min. PSNEXT TIA* (dB)	Min PSNEXT Fumo (dB)	Min. PSACRF TIA* (dB)	Min. PSACRF Fumo (dB)
1.000	2.500	2.400	72.300	72.300	64.800	64.800
4.000	4.600	4.500	63.300	63.300	52.800	52.800
8.000	6.400	6.300	58.800	58.800	46.700	46.700
10.000	7.100	7.000	57.300	57.300	44.800	44.800
16.000	9.000	8.900	54.200	54.300	40.700	40.700
20.000	10.100	10.000	52.800	52.800	38.800	38.800
25.000	11.300	11.100	51.300	51.300	36.800	36.800
31.250	12.600	12.500	49.900	49.900	34.900	34.900
62.500	18.000	17.900	45.400	45.400	28.900	28.900
100.000	22.900	22.800	42.300	42.300	24.800	24.800
200.000	33.100	33.000	37.800	37.800	18.800	20.900
250.000	37.300	37.200	36.300	36.300	16.800	16.800
300.000	41.200	41.000	35.100	35.200	15.300	15.300
400.000	48.100	48.000	33.300	33.300	12.800	13.900
500.000	54.400	54.300	31.800	31.800	10.800	11.700
625.000		61.500		30.400		8.800

Frequency [MHz]	Min. Return Loss TIA* (dB)	Min. Return Loss Fumo (dB)	Min. PSANEXT TIA* (dB)	Min. PSANEXT Fumo (dB)	Min. PSAACRF TIA* (dB)	Min. PSAACRF Fumo (dB)	Min. Balanced TCL TIA* (dB)	Min. Balanced TCL Fumo (dB)
1.000	20.000	20.000	67.000	87.000	67.000	75.000	40.000	48.000
4.000	23.000	23.000	67.000	87.000	66.200	75.000	40.000	48.000
8.000	24.500	24.500	67.000	87.000	60.100	75.000	40.000	48.000
10.000	25.000	25.000	67.000	87.000	58.200	75.000	40.000	48.000
16.000	25.000	25.000	67.000	87.000	54.100	74.100	38.000	46.000
20.000	25.000	25.000	67.000	87.000	52.200	72.200	37.000	45.000
25.000	24.200	25.000	67.000	87.000	50.200	70.200	36.000	44.000
31.250	23.300	25.000	67.000	87.000	48.300	68.300	35.100	43.100
62.500	20.700	25.000	65.600	85.600	42.300	62.300	32.000	40.000
100.000	19.000	25.000	62.500	82.500	38.200	58.200	30.000	38.000
200.000	16.400	21.000	58.000	78.000	32.200	52.200	27.000	35.000
250.000	15.600	20.500	56.500	76.500	30.200	50.200	26.000	34.000



300.000	14.900	20.100	55.300	75.300	28.700	48.700	25.200	33.200
400.000	13.800	19.500	53.500	73.500	26.200	46.200	24.000	32.000
500.000	13.000	18.400	52.000	72.000	24.200	44.400	23.000	31.000
625.000		17.400		65.000		40.000		

Dielectric Strength:	1,000 V RMS @ 60 Hz for 1 minute
Current Rating:	1.500 A
Insulation Resistance:	500 M-Ohm Minimum
Max. Contact Resistance:	20 m-Ohm

Physical Characteristics (Connectivity)

Specifications	
RJ45 Plug	Polycarbonate
Boot	Lexan
Blades Front Connection	Phosphor Bronze with 50u inch Gold over Nickel Plating
Boot Color:	Translucent
Wiring Scheme:	T568A/B-T568A/B
Packaging:	Individually packaged in a clear plastic bag.

Mechanical Characteristics (Connectivity)

Specifications	
Plug / Jack Compatibility:	RJ45
RJ45 Termination Interface: Mated Connection Durability	750 Cycles
Storage Temperature Range:	-40°C To +70°C
Installation Temperature Range:	-20°C To +70°C
Operating Temperature Range:	-25°C To +70°C
Max. Recommended Pull Tension:	11.250 lbs.
Min. Bend Radius (Overall Cable):	2.200 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs	Specifications
UL Rating:	Riser
Other Standards:	FCC Part 68, Subpart F, IEC 60603-7
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance	01/01/2006
MII (RoHS):	EUP 50
Telecommunications Standards:	Category 6A - TIA 568.C.2, Class EA - ISO/IEC 11801:2002 Amendment 2
Safety Listing:	Bi-national Standard Listed



Suitability - Indoor:

Yes

PRODUCT Family

SLPCF6AP-B-X

Blue

SLPCF6AP-GY-X

Gray

SLPCF6AP-W-X

White

SLPCF6AP-OW-X

Off White

SLPCF6AP-GN-X

Green

SLPCF6AP-Y-X

Yellow

