

CAT6A, S/FTP Patchcord



Features & Benefits

- Molded strain relief snag-less boot
- 8-pin high quality RJ45 plugs with 50 micro-inch gold plated contacts for corrosion resistance
- Cable constructed from stranded wire for flexibility and minimum crosstalk
- Compliant to ANSI/TIA-568.2-D, ISO/IEC 11801-1:2017 and CENELEC - EN 50173-1:2018
- Reliable performance
- Super-standard performance margin



Overview

PPC's S/FTP patch cords conform to ANSI/TIA-568.2-D, ISO/IEC 11801-1:2017 and CENELEC - EN 50173-1:2018 for Category 6A/Class EA applications.

The patch cords have been tested up to 500MHz and are designed to deliver mechanical and electrical performance needed for high-speed protocols such as 10 Gigabit applications.

The patch cords are constructed of a S/FTP stranded wire cable and comprise two modular plugs at both ends of the cable. The RJ45 plugs are protected with molded snag-less boots that prevent the latch on the RJ45 plugs from getting damaged during installation.

Applications

- Cross-connect, Patch Panel and Work Area
- 4/16 Mbps Token Ring (IEEE 802.5)
- 10/100/1000 BASE-T, 10G (IEEE 802.3)
- PoE (IEEE 802.3 af), PoE+ (IEEE 802.3 at)
- Fibre Channel FCBASE-T 1G, 2G-FCBASE-T, 4G-FCBASE-T
- 155 Mbps (ATM LAN 155), 1,2 Gbit/s (ATM-1200)
- 100 Mbps TP-PMD
- Analogue Voice, ISDN, ADSL

Standards

- ANSI/TIA-568.2-D
- ISO/IEC 11801-1:2017, Class EA
- CENELEC - EN 50173-1:2018, Class EA
- IEC 61156-6, EN 50288-10-2
- IEC 60332-1-2, IEC 60754-2, IEC 61034
- ANSI/TIA-1096-A (formerly FCC Part 68)
- IEC 60603-7-51
- IEC 61935-2

Technical Data

Mechanical Data

Specification	Value
Cable construction	Category 6A S/FTP
Number of pairs	4
Colors of twisted pairs	Blue-white/blue, Orange-white/orange, Green-white/green, Brown-white/brown

These products may be protected by one or more patents • For further information, please visit: www.ppc-online.com/patents

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Technical Data

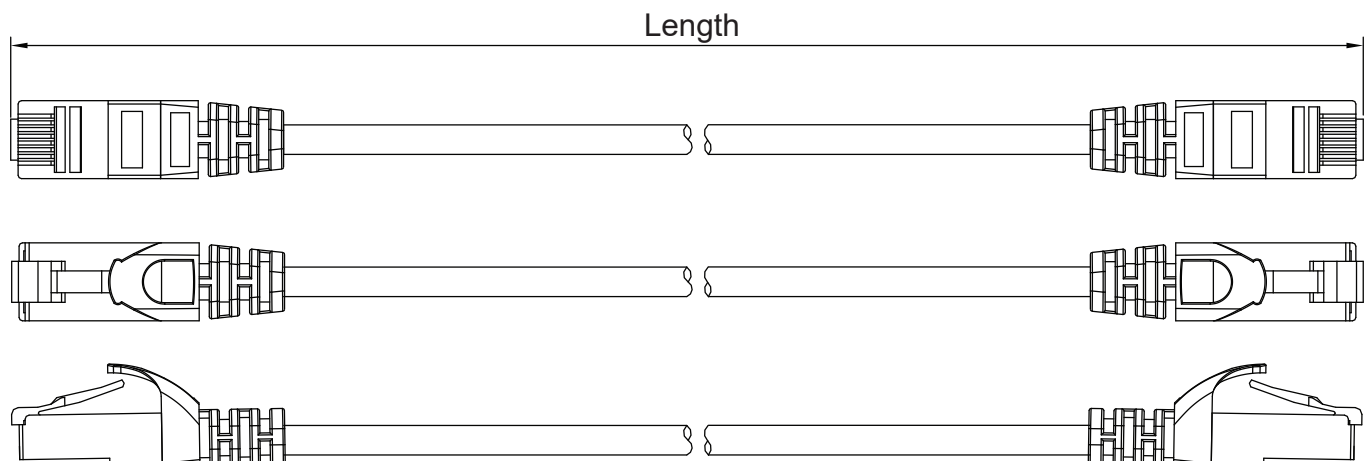
Mechanical Data cont.

Specification	Value
Material	Conductor material - Stranded copper conductor Conductor insulation – HDPE Individual pair shield material - Aluminium foil Outer shielding material - Braided shield, TC Cable jacket - PVC/LSZH Cable diameter - <6.1mm Plug material - Polycarbonate Plug contact - Phosphor Bronze contact area is plated with 50mi-cro-inches of Gold Over 100 micro-inches of Nickel Plug shield - Brass Alloy plated with 100-micron inch nickel Molded boot - Fire retardant PVC / LSZH compounds
Conductor diameter	26 AWG, 7 x 0.16mm stranded copper wire conductors
Plugs	RJ45 8P8C 94V0 Flame retardant PC
Fire rating	CMG
Total contact force	800 grams
Retention	50N
Insertion/extraction	750 cycles minimum
Insulation resistance	500MΩmin. @ 100V d.c
Voltage rating	< 60V
Dielectric withstanding voltage	1000V d.c
Contact resistance	20mΩ Max.

Environmental Data

Temperature Range	Value
Operation	-10 °C to 60 °C (14 °F to 140 °F)
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Relative humidity (operational)	Maximum non-condensing 93%

Technical Drawing



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Ordering Information

Part Number	Description
SCSPCC6ASFTPyyyVx	Patch Cord SFTP, Category 6A, Shielded Plug, PVC
SCSPCC6ASFTPyyyLx	Patch Cord SFTP, Category 6A, Shielded Plug, LSZH

yyy – length: 005 (0.5m), 010 (1-mt), 015 (1.5-mt), 020 (2-mt), 030 (3-mt), 050 (5-mt), 100 (10-mt)
x – color: Black (B), Blue (U), Green (G), Gray (S), Orange (O), Red (R), White (W), Yellow (Y)