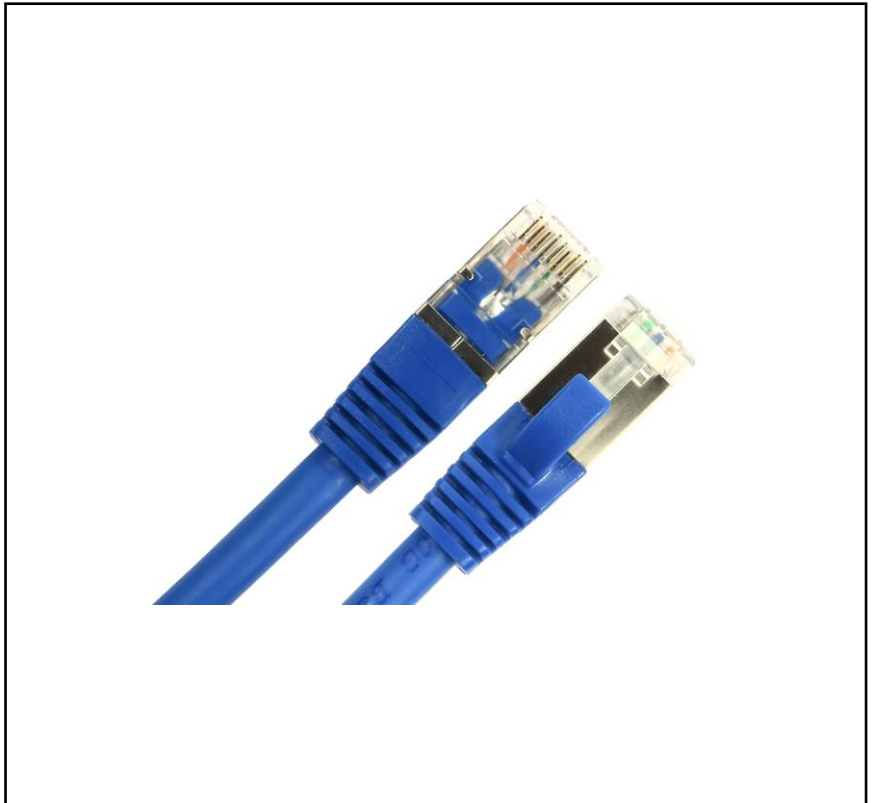


## Features

- Full Copper
- S/FTP
- LSZH
- Injection Moulded Snagless
- 26AWG
- ANSI/TIA-568.2-D
- 50u Gold Plated Contacts
- ISO/IEC 11801
- CE
- UKCA
- ROHS
- REACH

## RS PRO Blue CAT 8 S/FTP LSZH Injection Moulded Patch Lead 100% Copper



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

*Category 8.1 Ethernet cable, commonly referred to as Cat8.1, is a cable standard for 40 Gigabit Ethernet. The cable standard provides performance of up to 2000MHz and is suitable for 10BASE-T, 100BASE-TX (Fast Ethernet), 1000BASE-T / 1000BASE-TX (Gigabit Ethernet), 10GBASE-T (10 Gigabit Ethernet), 25GBASE-T (25 Gigabit Ethernet) & 40GBASE-T (25 Gigabit Ethernet). It is backwards compatible with previous standards such as Cat6A, Cat6, Cat5e and Cat5.*

- **LSZH:** Low Smoke Zero Halogen cable reduces the amount of toxic and corrosive gas emitted during a fire.
- **Supports 40 Gigabit Ethernet / 40GBASE-T:** 4 Times faster than Cat6A 10 Gigabit Ethernet, supports a data rate of 40Gbits/s.
- **S/FTP (or S/STP):** Screened and Foil (Shielded) Twisted Pair. Each individual pair is screened by foil and features an overall outer sheath. This shielding protects the cable from EMI (Electro-Magnetic Interference).
- **Snagless Connectors:** The connectors feature a "Latch" which protects the locking clip on the RJ45 from damage or being snapped off during transport or installation.
- **Flush Moulded Strain Relief:** The flush moulded design allows the patch cables to be installed side by side in high-density network switches. The strain relief allows the cables to move without damaging the cable or breaking away from the connector while it is plugged in a device

## General Specifications

|                         |              |
|-------------------------|--------------|
| Number of Strands       | 8            |
| Conductor Strand Type   | Stranded     |
| Cable Shape             | Twisted Pair |
| Terminated/Unterminated | Terminated   |
| Connector A             | Male RJ45    |
| Connector B             | Male RJ45    |
| Shield Type             | S/FTP        |
| Outer Sheath Material   | LSZH         |
| Sheath Colour           | Blue         |
| Conductor Material      | Bare Copper  |
| Insulator Material      | Foam-Skin-PE |
| Drain Wire              | Yes          |
| Snagless Connector      | Yes          |
| Fire Behaviour          | LSZH         |

## Electrical Specifications

|                |     |
|----------------|-----|
| Voltage Rating | 80V |
|----------------|-----|

|                |         |
|----------------|---------|
| Current Rating | 1AMP    |
| Frequency      | 2000MHz |

### Mechanical Specifications

|                      |                         |
|----------------------|-------------------------|
| Length               | 1m 2m 3m 5m 10m 15m 20m |
| Outer Diameter       | 6.0+0.3mm               |
| Cross Sectional Area | 0.5; 1mm <sup>2</sup>   |
| American Wire Gauge  | 26AWG                   |

### Operation Environment Specifications

|                          |            |
|--------------------------|------------|
| Operating Temperature    | -20C – 60C |
| Installation Temperature | -10C – 60C |

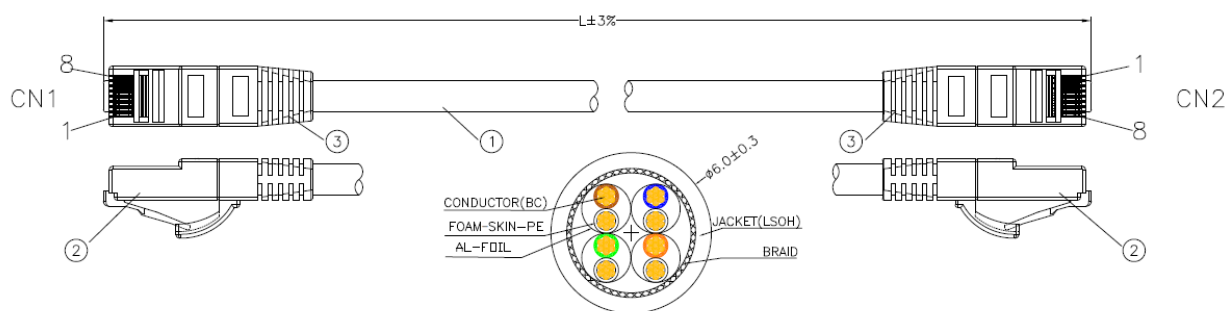
### Approvals

|              |                    |
|--------------|--------------------|
| Declarations | CE UKCA ROHS REACH |
|--------------|--------------------|

### Similar Products

| Stock No. | Length | Spec                   | Pack Size | Colour |
|-----------|--------|------------------------|-----------|--------|
| 0834545   | 1m     | CAT 8 LSZH 26AWG S/FTP | 1         | Blue   |
| 0834551   | 2m     | CAT 8 LSZH 26AWG S/FTP | 1         | Blue   |
| 0834552   | 3M     | CAT 8 LSZH 26AWG S/FTP | 1         | Blue   |
| 0834555   | 5M     | CAT 8 LSZH 26AWG S/FTP | 1         | Blue   |
| 0834501   | 10M    | CAT 8 LSZH 26AWG S/FTP | 1         | Blue   |
| 0834543   | 15M    | CAT 8 LSZH 26AWG S/FTP | 1         | Blue   |
| 0834549   | 20M    | CAT 8 LSZH 26AWG S/FTP | 1         | Blue   |

Also available in the RS PRO CAT 8 Range: Black, White & Yellow in the same lengths



MATERIAL LIST:

| NO. | PARTS NAME     | SPECIFICATION DESCRIPTION                                                                      |
|-----|----------------|------------------------------------------------------------------------------------------------|
| ①   | CABLE          | S/FTP [26AWG(BC 7/0.15±0.005)*1PR+A]*4+B(AL-MG) +LSOH OD:6.0±0.3mm COLOR:Assorted upon request |
| ②   | RJ45 CONNECTOR | RJ45,8P8C,TWO FORK 50u" GOLD PLATED CONTACTS TRANSPARENT WITH METAL HOUSING                    |
| ③   | MOLDING PVC    | MOLDING PVC 45P COLOR:Assorted upon request                                                    |

Marking: 25/40G Base-T CATEGORY 8.1 - 2000MHz S/FTP PIMF PATCH CABLE 26AWG 4P LSOH  
CONFORM TO ISO/IEC 11801 AND ANSI/TIA-568.2-D

PIN OUT

| CN1   | WIRE COLOR | CN2   |
|-------|------------|-------|
| 1     | WHITE      | 1     |
| 2     | ORANGE     | 2     |
| 3     | WHITE      | 3     |
| 6     | GREEN      | 6     |
| 4     | BLUE       | 4     |
| 5     | WHITE      | 5     |
| 7     | WHITE      | 7     |
| 8     | BROWN      | 8     |
| SHELL | BRAID      | SHELL |