

## CAT 8.1 S/FTP Patch Cabel



/ LSZH (Low Smoke Zero Halogen)

✓ Green colored plug for CAT 8

🗸 Kink prot., strain relief, latch prot.

🖊 PoE++ ready

DK-1844-XXX

# Short Description

CAT 8.1 S/FTP Patch Cabel, Twisted Pair Patchkabel, Cu, LSZH, AWG 24/7

### Features

- 2x RJ45 (8P8C) connectors
- Boots with kink protection, strain relief and latch protection
- Length marking on boot
- Conductor: Cu (Copper)
- Shielding: S/FTP (complete braid shielding, pairs foil shielded)
- Structure: 4x 2 AWG 24/7, twisted pair
- Sheath: LSZH (Low Smoke Zero Halogen)
- PoE++ ready

## **Product Overview**

The DIGITUS® Category 8.1 Class I patch cables are manufactured and tested according to the ISO/IEC 11801 and DIN EN 50173 CAT 8.1 standards. They guarantee that the cable installation complies with the ISO & EN channel specification and provide excellent performance in the DIGITUS® CAT 8.1 cabling. The performance was tested up to 2000 MHz, including performance characteristics such as near-end crosstalk ("NEXT"). The DIGITUS® patch cables were specifically designed to fully meet all requirements in various application areas. Each cable is equipped with a molded anti-kink sleeve with strain relief. In addition, the sleeve has a locking lever protection, which prevents kinking of the cables and breaking-off of the locking lever from the connector. Category 8.1 is simply identified by the green colored connectors.

### **Performance- and Specification Overview**

Conductor Insulations	Stranded AWG 24/7 bare copper, 0.2 ± 0.008 mm FO-PE (Foamed Polyethylene)
Outer sheath	LSZH (Low Smoke Zero Halogen)
Overall diameter	8.0 mm ± 0.2 mm
Bending radius	15x OD
RJ45 connector	$3 \mu$ nominal gold flash over 60 $\mu$ nickel undercoat contact pins
Color code	Orange x White, Green x White, Blue x White, Brown x White
Wiring standard	EIA/TIA 586B
Pin assignment	1:1
Durability	750 insertion cycles

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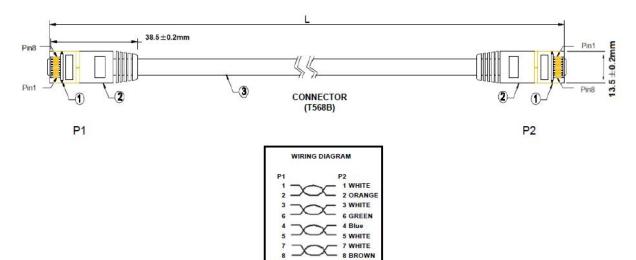


Contact resistance Resistance unbalance Dielectric strength Uninsulated resistance Operating temperature NVP Flame retardancy Smoke emission Typical applications Norms Marking 30 mΩ maximum 3% maximum 2500 VDC for 3 seconds 150 MΩ/km minimum -20 °C up to +60 ° 76% IEC 60332-1 IEC 61034 IEEE 802.3: 10BASE-T; 100BASE-T; 1000BASE-T ISO/IEC 11801-1; EN-50173; ANSI/TIA 568-C; EN 60603-7-5 Brand name, cable length and cable information

### **Product Images**



## **Technical Drawings**



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