



## CAT 8.1 S/FTP Patch Cabel



DK-1844-XXX

✓ LSZH (Low Smoke Zero Halogen)

✓ Green colored plug for CAT 6

✓ Kink prot., strain relief, latch prot.

✓ PoE++ ready

### 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	Stranded AWG 24/7 bare copper, 0.2 ± 0.008 mm
Insulations	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 µ nominal gold flash over 60 µ nickel undercoat contact pins
Color code	Orange x White, Green x White, Blue x White, Brown x White
Wiring standard	EIA/TIA 568B
Pin assignment	1:1
Durability	750 insertion cycles



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

**Product Images**



**Technical Drawings**

