

# DIGITUS CAT 8.1 S/FTP patch cable

**DK-1843-050**  
**EAN 4016032499268**



**CAT 8.1 S-FTP patch cord, Cu, LSZH AWG 24/7, length 5 m, color black**

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 standard. They guarantee that the cable installation complies with the ISO & EN Channel specification and offer excellent performance in DIGITUS® CAT 8.1 cabling. The performance has been tested up to 2,000 MHz, including performance characteristics such as near-end crosstalk ("NEXT"). The DIGITUS® patch cables have been specially developed to fully meet all requirements in the various application areas. Each cable is equipped with a molded anti-kink grommet with strain relief. The grommet also has a latching lever protection, which prevents the cable from getting caught and the latching lever from breaking off the plug.

**The high-end network solution according to the CAT 8.1 standard**

- 2 x RJ45 plug connector (PCB)
- RJ45 plug connector 3 µ nominal gold-plated over 60 µ nickel-primed contact pins
- FO-PE (foamed polyethylene) insulation
- Total diameter 8.0 mm ± 0.2 mm
- Bending radius 15x OD
- Wiring standard EIA/TIA 586B
- Color code orange x white, green x white, blue x white, brown x white

- Pin assignment 1:1
- Contact resistance 750 mating cycles
- Contact resistance 30 mΩ maximum
- Unbalanced resistance 3% maximum
- Insulation resistance 2500 VDC for 3 seconds
- Uninsulated resistance 150 MΩ/km minimum
- Operating temperature -20 °C to +60 °C
- NVP 72%
- Flame resistance IEC 60332-1
- Smoke emission IEC 61034
- Typical applications IEEE 802.3: 10BASE-T; 100BASE-T; 1000BASE-T
- Standards ISO/IEC 11801-1; EN-50173; ANSI/TIA 568-C; EN 60603-7-5

**Attributes**

- Assortment: Twisted Pair Patch Cables
- Configuration: 1:1
- Category: CAT 8.1
- Shielding: S-FTP, pairs in metal foil and braid shielding
- Length: 5 m
- Color: black
- Jacket: LSOH
- Slim Version: no
- Structure: 4 x 2 AWG 24/7, twisted pair
- Flat Version: no

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	1	18.80	63.00	33.00	33.50	69,646.50
Packaging Unit Inside	1	18.80	0.00	0.00	0.00	0.00
Packaging Unit Single	1	18.80	0.00	0.00	0.00	0.00
Net single without Packaging	0	0.00	0.00	0.00	0.00	0.00

More images:

**Optimal signal stability**  
 PCB technology minimizes signal loss and ensures reliable data transmission

Desktop Router Gaming Switch Smart TV Server

**New Connector**  
 Includes a small PCB (Printed Circuit Board) inside the connector

Old Standard RJ45 8P8C Connector New RJ45 Built-in PCB Connector

Advantages:

- ✓ Improved Signal Transmission
- ✓ Higher Performance for Data Centers
- ✓ Enhanced Durability & Reliability

**Highest performance**  
 Transmission rates of up to 40 Gbit/s at 2 000 MHz for maximum network performance

CAT 8.1	25.60 Gbps / 2 000 MHz
CAT 6e	10 Gbps / 800 MHz
CAT 6	5 Gbps / 250 MHz
CAT 5e	1 Gbps / 100 MHz

**CAT 8.1 Patch Cable**  
 Meet all requirements in the various application areas

Professional Use: Data Center and High-Bandwidth Cloud Computing

Gaming: High-speed connections Streaming: 4K/8K UHD

