

# DIGITUS® CAT 8.1 S/FTP patch cable, 3 m

DK-1843-030

EAN 4016032499244



### CAT 8.1 S-FTP patch cord, Cu, LSZH AWG 24/7, length 3 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 nominal gold-plated over 60 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 Ethernet (10/100/1000BASE-T)
- PoE according to IEEE 802.3af/at/bt (PoE+, PoE++ type 3 & 4)
- 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: 3 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	16.10	63.00	33.00	33.50	69,646.50
Packaging Unit Inside	1	16.10	0.00	0.00	0.00	0.00
Packaging Unit Single	1	16.10	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:



**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

**Highest performance**  
 Transmission rates of up to 40 Gbit/s at 2000 MHz for maximum network performance

CAT 8.1	20/40 Gbps / 2000 MHz
CAT 6E	10 Gbps / 500 MHz
CAT 6	10 Gbps / 250 MHz
CAT 5e	1 Gbps / 100 MHz

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

Old Standard RJ45 SFP-C Connector    New RJ45 Built-In PCB Connector

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

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

Desktop    Router  
 Gaming    Switch  
 Smart TV    Server