Twisted Pair Patchcord - Categorie 6A Class E_A -Slim F/FTP - LSZH

- ✓ Slim and flexible design
- ✓ Transmission speed 10 Gbit/s
- ✓ Frequency 500 MHz
- ✓ PoE+ ready

Short description

CAT 6A Class E_A, F/FTP, Twisted Pair Patch cord, Cu, LSZH, AWG 32/7. Future-oriented standards and high-end quality for your network.

Technical Properties

- 2x RJ45 connectors (8P8C)
- Boots with kink protection, strain relief and latch protection
- Length marking on boot
- Conductor: Cu (Copper)
- Shielding: F/FTP
- Structure: 4x 2 AWG 32/7
- Sheath: LSZH (Low Smoke Zero Halogen)
- PoE+ ready

Long Descripton

DIGITUS® slim patch cords are characterised by their small outer diameter and flexible sheath. Slim design enables versatile use in your network. Moreover, DIGITUS® slim patch cords are manufactured according to ISO/IEC 11801 and DIN EN 50173 CAT 6 standards. They guarantee that the cable installation complies with the ISO & EN channel specification and provide excellent performance in DIGITUS® CAT 6A cabling. Performance was tested up to 500 MHz, including performance characteristics such as near-end crosstalk (“NEXT”). DIGITUS® patch cords were specifically designed to fully meet all requirements in various application areas. Each cable is equipped with a moulded 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.

Performance- and Specification Overview

Conductor	Stranded AWG 32/7 bare copper, 0.12 ± 0.005 mm
Insulations	HD-PE (High Density Polyethylene)
Outer sheath	LSZH (Low Smoke Zero Halogen)
Overall diameter	3.8 mm ± 0.15mm
Bending radius	15x OD
RJ45 connector	Phosphor bronze with gold plated
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	376.96Ω/km maximum at 20 °C
Resistance unbalance	3% maximum
Dielectric strength	AC 500V for 1 minute no breakdown (TIA/EIA-364-21)
Uninsulated resistance	150 MΩ/km minimum
Operating temperature	-20 °C up to +60 °
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 60603-7-4