

Twisted Pair Patchcord - Kategorie 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 Description

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
Outer sheath	LSZH (Low Smoke Zero Halogen)
Overall diameter	$3.8 \text{ mm} \pm 0.15\text{mm}$
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	$376.96\Omega/\text{km}$ maximum at 20°C
Resistance unbalance	3% maximum
Dielectric strength	AC 500V for 1 minute no breakdown (TIA/EIA-364-21)
Uninsulated resistance	$150 \text{ M}\Omega/\text{km}$ minimum
Operating temperature	-20°C up to $+60^\circ$
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