

Twisted Pair Patch Cord - Category 6_A Class E_A - S/FTP



- ✓ PUR (Polyurethane)
- ✓ Oil- and UV resistant
- ✓ Kink prot., strain relief, latch prot.
- ✓ Perfect for industrial environment

Abstract

CAT 6_A Class E_A, S/FTP, Twisted Pair Patch Cable, Cu, PUR, AWG 26/7, color green (similar to RAL 6018)

Features

- 2x RJ45 plugs (8P8C)
- Boots with kink protection, strain relief and latch protection
- Conductor: Cu (Copper)
- Shielding: S/FTP (complete braid shielding, pairs foil shielded)
- Structure: 4x 2 AWG 26/7, twisted pair
- Sheath: PUR ((Thermoplastic Polyurethane)
- Color: Green (similar to RAL 6018)
- PoE, PoE+, PoE++ (IEEE 802.3af; 3at; bt) ready

Product Overview

The category 6_A, S/FTP patch cords offer good reliability against oil with its PUR sheath. Therefore they are perfect for industrial applications. Further features of the PUR sheath are the UV resistance and the self-extinguishing fire behavior.

DIGITUS Category 6_A Class E_A patch cords are manufactured and tested to the ISO/IEC 11801 and DIN EN 50173 Category 6_A specifications. They will guarantee the installed cabling system is compliant with the ISO & EN channel specification requirements and will provide optimum performance levels of DIGITUS Category 6_A cabling. The performance is tested up to 500 MHz inclusive performance characteristics such as near end cross talk ("NEXT"). All patch cords are designed and produced to fulfill the highest requirements of various application areas in full volume.

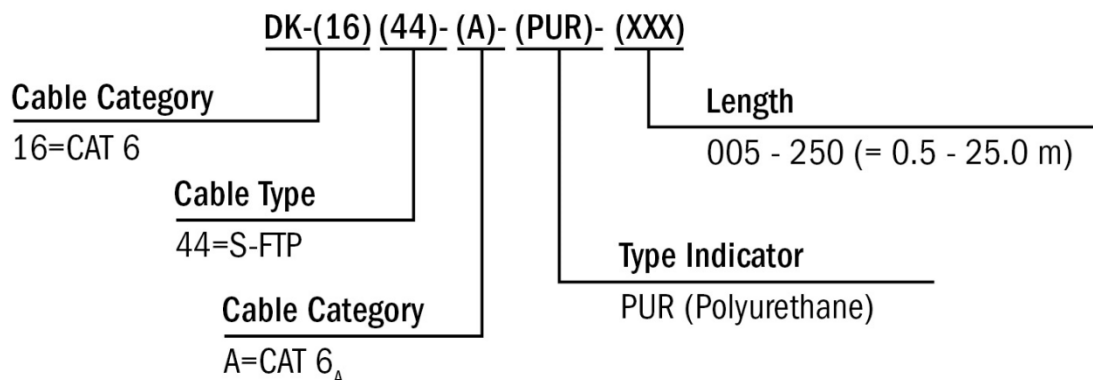
Each cable is fitted with a molded boot which comes with kink protection and strain relief.

Furthermore the boot is equipped with a latch protection that prevents the latching lever against breaking.

Performance- and Specification Overview

Conductor	Stranded AWG 26/7 bare copper, 0.15 ± 0.005 mm
Outer sheath	TPU (Thermoplastic Polyurethane)
Overall diameter	$6.2 \text{ mm} \pm 0.30 \text{ mm}$
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 m Ω maximum
Resistance unbalance	3% maximum
Dielectric strength	2500 VDC for 3 seconds
Uninsulated resistance	150 M Ω /km minimum
Operating temperature	-30 °C up to +70 °C
NVP	63%
Typical applications	IEEE 802.3: 10BASE-T; 100BASE-T; 1000BASE-T; 10GBASE-T
Norms	ISO/IEC 11801-1; EN-50173; ANSI/TIA 568-C; EN 60603-7-51
Color	Green (similar to RAL 6018)
Marking	Brand name, cable length and cable information

Product Number Information



Length Tolerances

Length (m)	Tolerance (mm)
0.50	+/- 15
1.00	+/- 30
2.00	+/- 30
3.00	+/- 50
5.00	+/- 100
7.00	+/- 200
10.00	+/- 200
15.00	+/- 300
20.00	+/- 300
25.00	+/- 300

*The cable length is measured from plug A to plug B

Technical Drawing

