Twisted Pair Patch Cord - Category 6 Class E - U/UTP – TPE-LSZH



- ✓ LSZH (Low Smoke Zero Halogen)
- ✓ Red colored plug for CAT 6
- ✓ Kink prot., strain relief, latch prot.
- ✓ various lengths and colors available

Abstract

CAT 6 Class E, U/UTP, Twisted Pair Patch Cord, Cu, TPE-LSZH, AWG 26/7, various lengths and colors available

Features

- 2x RJ45 (8P8C) connectors
- Boots with kink protection, strain relief and latch protection
- Length marking on boot
- Conductor: Cu (Copper)
- Shielding: U/UTP (unshielded)
- Structure: 4x 2 AWG 26/7, twisted pair; incl. plastic cross separator
- Sheath: TPE-LSZH (Thermoplastic Elastomer - Low Smoke Zero Halogen)
- Supports: PoE, PoE+, PoE++ (IEEE 802.3af; 3at; bt)

Product Overview

The DIGITUS Category 6 Class E patch cords are manufactured and tested to the ISO/IEC 11801 and DIN EN 50173 Category 6 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 cabling. The performance is tested up to 250 MHz inclusive performance characteristics such as near end cross talk (“NEXT”).
DIGITUS 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.
You can easily identify the Category 6, because of the transparent red colored connector.

Druckfehler, Irrtümer und technische Änderungen sind vorbehalten. | Printing errors, falsities and technical changes remain reserved.

Performance- and Specification Overview

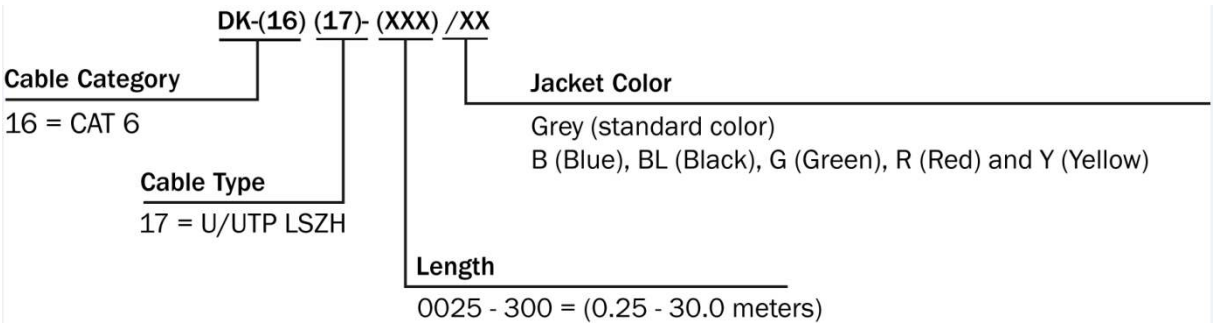
Conductor	Stranded AWG 26/7 bare copper, 0.145 ± 0.005 mm
Outer sheath	TPE-LSZH (Thermoplastic Elastomer - Low Smoke Zero Halogen)
Overall diameter	4.8 mm ± 0.30 mm
Bending radius	8x OD
RJ45 connector	3 µ nominal gold flash over 60 µ nickel undercoat contact pins
Color code	Orange x White, Green x White, Blue x White, Brown x White
Wiring standard	EIA/TIA 568B
Pin assignment	1:1
Durability	750 insertion cycles
Contact resistance	30 mΩ maximum
Resistance unbalance	3% maximum
Dielectric strength	2500 VDC for 3 seconds
Uninsulated resistance	150 MΩ/km minimum
Operating temperature	-20 °C up to +60 °
NVP	69%
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
Colors	Various colors available on request
Marking	Brand name, cable length and cable information

Transmission Properties

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACRF
MHz	**dB**	**dB**	**dB**	**dB**	**dB**	**dB**	**dB**	**dB**
1.00	4.00	65.00	19.00	61.00	63.30	62.00	58.00	60.30
10.00	6.60	56.60	19.00	50.00	43.30	54.00	47.40	40.30
20.00	9.30	51.60	17.50	42.30	37.20	49.00	39.70	34.20
25.00	10.50	50.00	17.00	39.60	35.30	47.30	36.90	32.30
62.50	16.90	43.40	14.00	26.50	27.30	40.60	23.70	24.30
100.00	21.70	39.90	12.00	18.20	23.30	37.10	15.40	20.30
200.00	31.70	34.80	9.00	3.10	17.20	31.90	0.10	14.20
250.00	35.90	33.10	8.00	-2.80	15.30	30.20	-5.80	12.30

Die Ergebnisse in der obigen Tabelle sind typisch für Kategorie 6, Klasse E Patchkabel 2 m, 5 m bis zu 10 m Länge

Product Number Information



Order information and Length Tolerances

Article No	#Length (m)	Tolerance (mm)
DK-1617-0025*	0.25	+20/-6
DK-1617-005*	0.5	+20/-10
DK-1617-010*	1.0	+/-20
DK-1617-015	1.5	+/-30
DK-1617-020*	2.0	+/-40
DK-1617-025	2.5	+/-50
DK-1617-030*	3.0	+/-60
DK-1617-050*	5.0	+/-110
DK-1617-070*	7.0	+/-140
DK-1617-100*	10	+/-200
DK-1617-150	15	+/-310
DK-1617-200	20	+/- 470
DK-1617-250	20	+/- 490
DK-1617-300	30	+/-510
*available in different colors see below		# The cable length is measured from plug A to plug B
DK-1617-30S/Y=Yellow other colors B= Blue; BL=Black; G=Green; R=Red		

Technical Drawing

