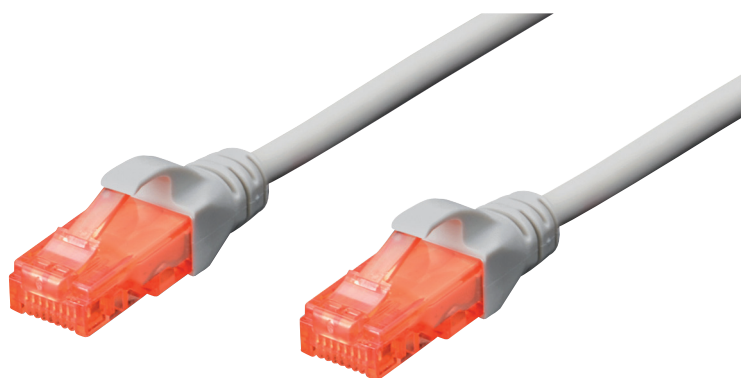


DIGITUS® Category 6, U-UTP Twisted Pair Patch Cable – LSOH



✓ 15 Year Product Warranty

✓ 25 Year System Warranty

✓ ETL Certified

✓ Halogen free outer sheath

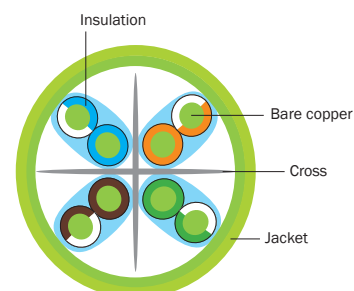
✓ Category 6 Compliant, ISO/IEC 11801, DIN EN 50173, DIN EN 50288-5-1

Abstract

DIGITUS® CAT 6 U-UTP patch cable, various lengths, halogen free, AWG 24, Color grey

Features

- 25 Year System Warranty
- Halogen free outer sheath
- Category 6 compliant
- Various range of colors and length



Product Overview

DIGITUS® Category 6 U-UTP patch cables are manufactured and tested to the ISO/IEC 11801, DIN EN 50173 and DIN EN 50288-5-1 Category 6 specifications. DIGITUS® patch cables 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.

DIGITUS offers a various color and length of patch cable with a blade style strain relief boot. The cable length is state on each connector and it is suitable for use in routers, switches and servers. The RJ45 connector with 50µin gold plated staggered pins is made for high quality applications. Each cable has a low smoke zero halogen out sheath as standard and ideal for use in buildings and infrastructure. The cables are packed in an individual bag.

Performance Overview

DIGITUS® Category 6 U-UTP patchcables are manufactured and tested to the ISO/IEC and DIN Standards bodies. The performance characteristics are tested up to 250 MHz including NEXT and ELFEXT as well as return loss. The performance meets the required standards, the DIGITUS® Installation cables are made to fulfill the high demand of applications.

DIGITUS® Category 6, U-UTP Twisted Pair Patch Cable – LSOH

Performance and Specification Overview

Performance and Specification Overview	
Conductor	AWG 24 Bare Copper 7/0.20-0.015mm
Color Code	Orange x White, Green x White, Blue x White, Brown x White
Insulation	HD-PE
Outer Sheath	LSOH – flame resistant, low smoke zero halogen
Outer Diameter	5.8mm +/- 0.2 mm
RJ45 Connector	50µin (microinch) minimum Gold plate in localised area (Gold flash over remainder) over 100 µin (microinch) Nickel undercoat contact pins
Durability	750 Insertion cycles
Contact Resistance	230Ω maximum
Resistance Unbalance	2% maximum
Dielectric Strength	2500VDC for 3 seconds
Insulation Resistance	150MΩ/km minimum
Operating Temperature	-20 to +60°C
Flame Retardant	IEC 60332-1
Smoke Emission	IEC 61034
Colors	Various colors available on request
Marking	Brand name, cable length and cable information

Technical Performance

Technical Performance								
Freq. (MHz)	ATT (dB)	NEXT (dB)	RL (dB)	ACR (dB)	ELFEXT (dB)	PS NEXT (dB)	PS ACR (dB)	PS ELFEXT (dB)
1.0	3.0	65.0	19.8	62.0	63.3	62.0	59.0	60.3
4.0	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2
8.0	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2
10.0	6.3	65.0	22.8	50.2	43.3	54.0	47.7	40.3
16.0	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2
20.0	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2
25.0	10.1	58.4	24.0	39.9	35.3	47.3	37.2	32.3
31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4
62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3
100.0	21.3	46.5	18.0	18.6	23.3	37.1	15.8	20.3
200.0	31.5	40.6	15.0	3.3	17.2	31.9	0.3	14.2
250.0	35.9	38.9	14.0	-2.8	15.3	30.2	-5.8	12.3

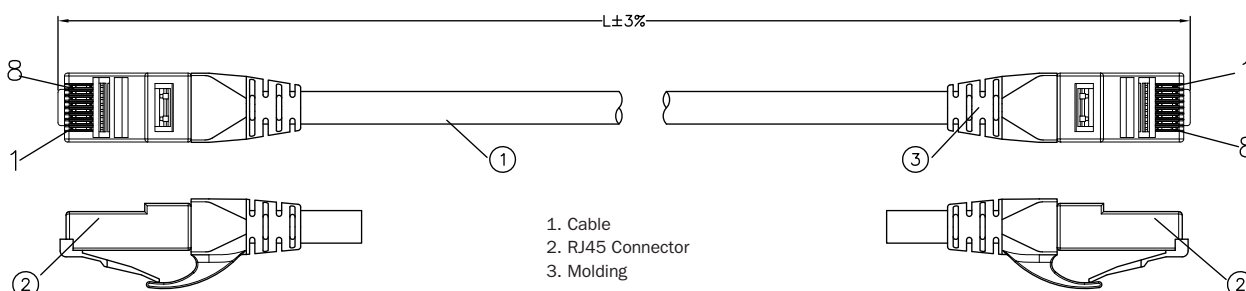
The results in the above table are typical for Category 6 patch leads 2M, 5M upto 10M in lengths.

Part Number Information

DK-1613-005	DIGITUS® CAT 6 U-UTP patch cable, Length 0.5 M, LSOH, AWG 24/7, Color grey
DK-1613-010	DIGITUS® CAT 6 U-UTP patch cable, Length 1.0 M, LSOH, AWG 24/7, Color grey
DK-1613-020	DIGITUS® CAT 6 U-UTP patch cable, Length 2.0 M, LSOH, AWG 24/7, Color grey
DK-1613-030	DIGITUS® CAT 6 U-UTP patch cable, Length 3.0 M, LSOH, AWG 24/7, Color grey
DK-1613-050	DIGITUS® CAT 6 U-UTP patch cable, Length 5.0 M, LSOH, AWG 24/7, Color grey
DK-1613-070	DIGITUS® CAT 6 U-UTP patch cable, Length 7.0 M, LSOH, AWG 24/7, Color grey
DK-1613-100	DIGITUS® CAT 6 U-UTP patch cable, Length 10.0 M, LSOH, AWG 24/7, Color grey

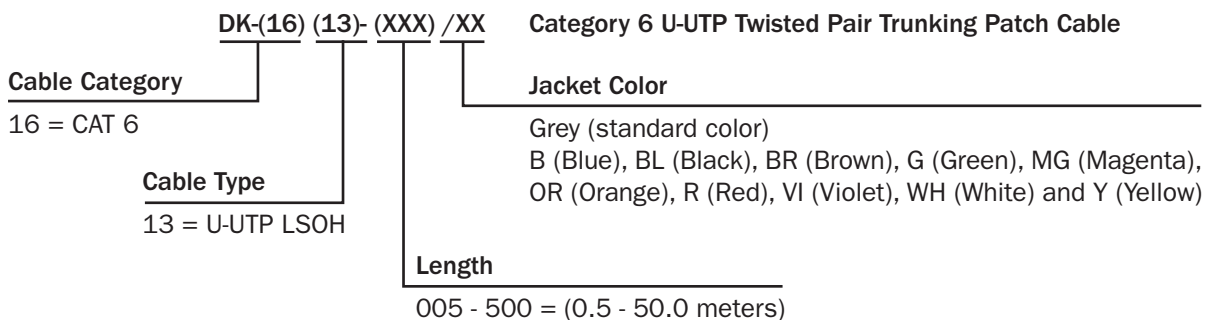
DIGITUS® Category 6, U-UTP Twisted Pair Patch Cable – LSOH

Technical Drawing



Color code system and length configurations

Category 6 U-UTP Trunking Cable Assemblies



System Warranty

The DIGITUS® System Warranty provides 25-year product and applications assurance of compliance with the industry performance standard appropriate to the class of cabling installed. The System Warranty will be applied by a certified DIGITUS® Partner who has installed the said system.



DIGITUS® is made for high demand IT-Infrastructure Solutions – designed and developed on highest standard in Germany.