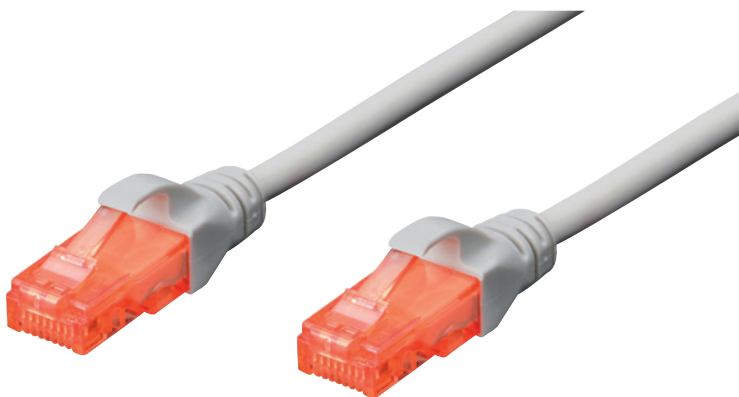


DIGITUS®

Professional

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



✓ 15 Year Product Warranty

✓ 25 Year System Warranty

✓ Bend and latch protection

✓ Red colored plug for CAT6

✓ Various lengths and colors available

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

Abstract

DIGITUS® CAT 6 U-UTP patch cable, various lengths, PVC, AWG 26, basic colors

Features

- 25 Year System Warranty
- 15 Year Product Warranty
- New designed plug with bend latch protection
- Category 6 compliant
- Various range of colors and length

Product Overview

The new 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. The patch cables have a new reworked plug with bend and latch protection and prevents snagging the cable and also protects the latching lever before break. You can easily identify the Category 6 because of the new red colored connector.

DIGITUS® offers a various color and length of patch cable with a blade style strain relief boot. The cable length is stated on each connector and it is suitable for use in routers, switches, servers and other active and passive components. The RJ45 connector with 3µm gold plated staggered pins is made for high quality applications. The cables are packed in individual DIGITUS® polybags.

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Performance Overview

DIGITUS® Category 6 U-UTP patch cables 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® patch cables are made to fulfill the high demand of applications.

Performance and Specification Overview

Performance and Specification Overview	
Conductor	AWG 26 Bare copper 7/0.15 +/-0.015mm
Color Code	Orange x White, Green x White, Blue x White, Brown x White
Insulation	HD-PE
Outer Sheath	PVC
Outer Diameter	5.0mm +/- 0.3 mm
RJ45 Connector	3µin (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 °C to + 60 °C
Flame Retardant	
Smoke Emission	
Colors	Various colors available on request
Marking	Brand name, cable length and cable information

Technical Performance

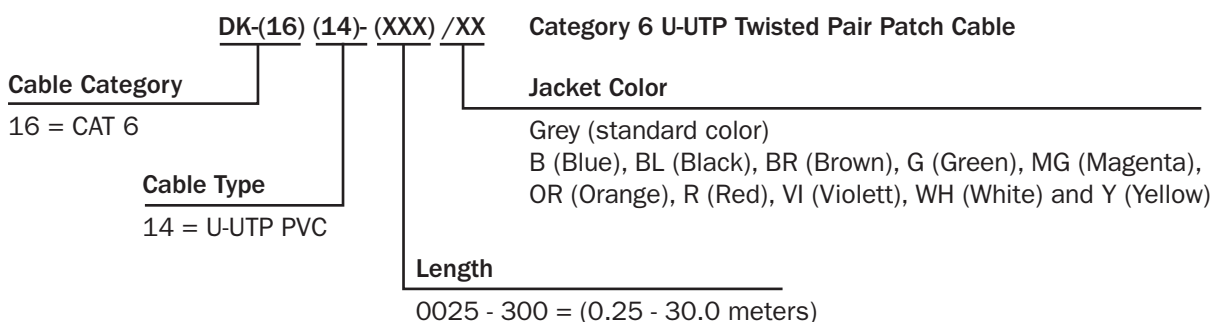
Technical Performance								
Freq. (MHz)	Insertion Loss (dB)	NEXT (dB)	RL (dB)	ACR-N (dB)	ACR-F (dB)	PS NEXT (dB)	PS ACR-N (dB)	PS ACR-F (dB)
1,00	4,00	65,00	19,00	61,00	63,30	62,00	58,00	60,30
4,00	4,20	63,00	19,00	58,90	51,20	60,50	56,40	48,20
8,00	5,90	58,20	19,00	52,30	45,20	55,60	49,70	42,20
10,00	6,60	56,60	19,00	50,00	43,30	54,00	47,40	40,30
16,00	8,30	53,20	18,00	44,90	39,20	50,60	42,30	36,20
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
31,25	11,70	48,40	16,50	36,70	33,40	45,70	34,00	30,40
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

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

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

Color code system and lenght configurations

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

Part Number Information

	grey/grau	red/rot	yellow/gelb	green/grün	blue/blau	black/schwarz	white/weiß	brown/braun	magenta/magenta	orange/orange	violett/violett
0,25 m	DK-1614-0025 321682	DK-1614-0025/R 321774	DK-1614-0025/Y 321811	DK-1614-0025/G 321750	DK-1614-0025/B 321705	DK-1614-0025/BL 321736	DK-1614-0025/WH 321798	DK-1614-0025/BR 328926	DK-1614-0025/MG 328933	DK-1614-0025/OR 328940	DK-1614-0025/VI 328957
0,5 m	DK-1614-005 315766	DK-1614-005/R 315797	DK-1614-005/Y 315803	DK-1614-005/G 315780	DK-1614-005/B 315773	DK-1614-005/BL 321835	DK-1614-005/WH 321859	DK-1614-005/BR 328964	DK-1614-005/MG 328971	DK-1614-005/OR 329176	DK-1614-005/VI 329176
1,0 m	DK-1614-010 315810	DK-1614-010/R 315841	DK-1614-010/Y 315858	DK-1614-010/G 315834	DK-1614-010/B 315827	DK-1614-010/BL 321873	DK-1614-010/WH 321903	DK-1614-010/BR 328964	DK-1614-010/MG 328971	DK-1614-010/OR 329176	DK-1614-010/VI 328988
1,5 m	DK-1614-015 327110										
2,0 m	DK-1614-020 315865	DK-1614-020/R 213833	DK-1614-020/Y 315902	DK-1614-020/G 315889	DK-1614-020/B 315872	DK-1614-020/BL 321927	DK-1614-020/WH 321958	DK-1614-020/BR 329022	DK-1614-020/MG 329039	DK-1614-020/OR 329046	DK-1614-020/VI 329053
3,0 m	DK-1614-030 315919	DK-1614-030/R 315940	DK-1614-030/Y 315957	DK-1614-030/G 315933	DK-1614-030/B 315926	DK-1614-030/BL 321972	DK-1614-030/WH 321965	DK-1614-030/BR 329060	DK-1614-030/MG 329077	DK-1614-030/OR 329084	DK-1614-030/VI 329091
5,0 m	DK-1614-050 213109	DK-1614-050/R 213932	DK-1614-050/Y 316015	DK-1614-050/G 315995	DK-1614-050/B 315971	DK-1614-050/BL 321989	DK-1614-050/WH 322092	DK-1614-050/BR 329107	DK-1614-050/MG 329114	DK-1614-050/OR 329121	DK-1614-050/VI 329138
7,0 m	DK-1614-070 316022	DK-1614-070/R 316053	DK-1614-070/Y 199960	DK-1614-070/G 316046	DK-1614-070/B 316039	DK-1614-070/BL 322122	DK-1614-070/WH 322153				
10,0 m	DK-1614-100 316077	DK-1614-100/R 316107	DK-1614-100/Y 315988	DK-1614-100/G 316091	DK-1614-100/B 316084	DK-1614-100/BL 322177	DK-1614-100/WH 322184				
15,0 m	DK-1614-150 316114										
20,0 m	DK-1614-200 316169										
25,0 m	DK-1614-250 316893										
30,0 m	DK-1614-300 327165										

