

# DIGITUS®

Professional

## DIGITUS® Category 6, S-FTP Twisted Pair Patch Cable – LSOH



✓ 15 Year Product Warranty

✓ 25 Year System Warranty

✓ LSOH

✓ 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 S-FTP patch cable, various lengths, LSOH, AWG 27, basic colors

### Features

- 25 Year System Warranty
- 15 Year Product Warranty
- New designed plug with bend latch protection
- Category 6 compliant
- Halogen free (LSOH)

### Product Overview

The new DIGITUS® Category 6 S-FTP 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.

## DIGITUS® Category 6, S-FTP Twisted Pair Patch Cable – LSOH

### Performance Overview

DIGITUS® Category 6 S-FTP 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

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Conductor	AWG 27 Bare copper 7/0.135 +/-0.015mm
Color Code	Orange x White, Green x White, Blue x White, Brown x White
Insulation	HD-PE
Outer Sheath	LSOH
Outer Diameter	6.0mm +/- 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
Unsulation Resistance	150MΩ/km minimum
Operating Temperature	-20 °C 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

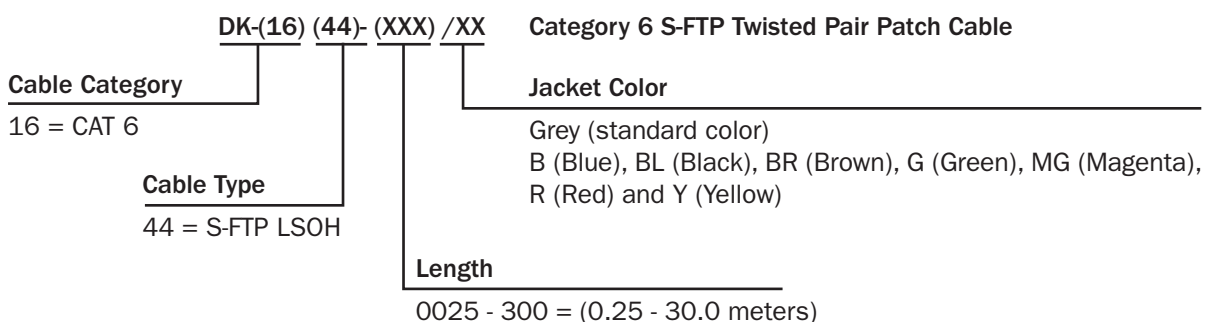
Technical Performance								
Freq. (MHz)	Insertion Loss (dB)	NEXT (dB)	RL (dB)	ACR-N (dB)	ACR-F (dB)	PS NEXT (dB)	PS ACR-N (dB)	PS ACR-F (dB)
1,00	4,00	65,00	19,00	61,00	63,30	62,00	58,00	60,30
4,00	4,20	63,00	19,00	58,90	51,20	60,50	56,40	48,20
8,00	5,90	58,20	19,00	52,30	45,20	55,60	49,70	42,20
10,00	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

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#### Color code system and length configurations

Category 6 S-FTP 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, S-FTP Twisted Pair Patch Cable – LSOH

#### Part Number Information

	grey/grau	red/rot	yellow/gelb	green/grün	blue/blau	black/schwarz	magenta/magenta	brown/braun
0,25 m	DK-1644-0025 321477	Dk-1644-0025/R 321514	DK-1644-0025/Y 321538	DK-1644-0025/G 321507	DK-1644-0025/B 321484	DK-1644-0025/BL 321491	DK-1644-0025/ MG 328681	DK-1644-0025/ BR 328674
0,5 m	DK-1644-005 321545	Dk-1644-005/R 321590	DK-1644-005/Y 321613	DK-1644-005/G 321583	DK-1644-005/B 321569	DK-1644-005/BL 321576	DK-1644-005/MG 328728	DK-1644-005/BR 328711
1,0 m	DK-1644-010 321620	DK-1644-010/R 321668	DK-1644-010/Y 321699	DK-1644-010/G 321651	DK-1644-010/B 321637	DK-1644-010/BL 321644	DK-1644-010/MG 328766	DK-1644-010/BR 328759
1,5 m	DK-1644-015 327929							
2,0 m	DK-1644-020 321712	DK-1644-020/R 321781	DK-1644-020/Y 321828	DK-1644-020/G 321767	DK-1644-020/B 321729	DK-1644-020/BL 321743	DK-1644-020/MG 328797	DK-1644-020/BR 328780
3,0 m	DK-1644-030 321842	DK-1644-030/R 321910	DK-1644-030/Y 321941	DK-1644-030/G 321897	DK-1644-030/B 321866	DK-1644-030/BL 321880	DK-1644-030/MG 328834	DK-1644-030/BR 328827
5,0 m	DK-1644-050 321996	DK-1644-050/R 322030	DK-1644-050/Y 322054	DK-1644-050/G 322023	DK-1644-050/B 322016	DK-1644-050/BL 322009	DK-1644-050/MG 328872	DK-1644-050/BR 328865
7,0 m	DK-1644-070 322061	DK-1644-070/R 322115	DK-1644-070/Y 322146	DK-1644-070/G 322108	DK-1644-070/B 322078	DK-1644-070/BL 322085		
10,0 m	DK-1644-100 322160	DK-1644-100/R 322245	DK-1644-100/Y 322276	DK-1644-100/G 322221	DK-1644-100/B 322191	DK-1644-100/BL 322214		
15,0 m	DK-1644-150 322290							
20,0 m	DK-1644-200 327943							
25,0 m	DK-1644-250 328025							
30,0 m	DK-1644-300 328087							

