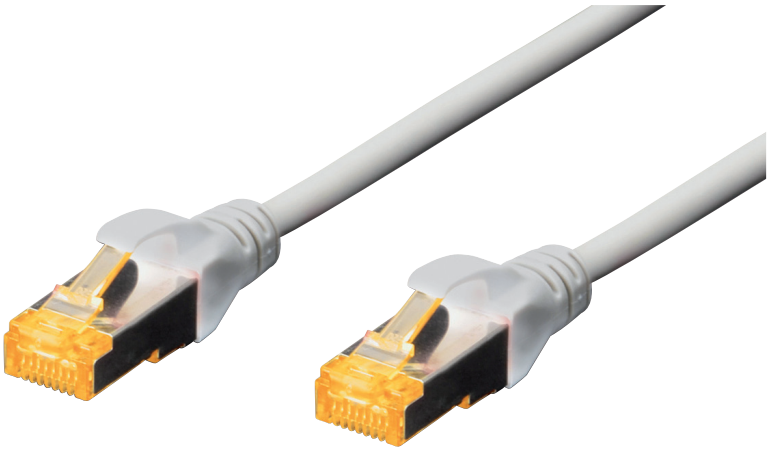
DIGITUS® Category 6_A, S-FTP Twisted Pair Patch Cable – LSOH



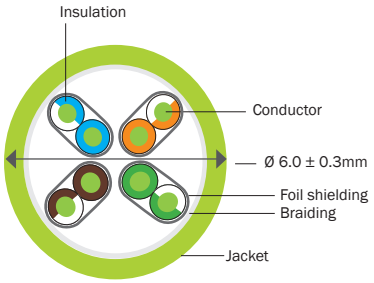
- ✓ 15 Year Product Warranty
- ✓ 25 Year System Warranty
- ✓ LSOH
- ✓ Bend and latch protection
- ✓ Yellow colored plug for CAT6_A
- ✓ Various lengths and colors available
- ✓ Category 6_A Compliant, ISO/IEC 11801, DIN EN 50173, DIN EN 50288-5-1

Abstract

DIGITUS® CAT 6_A 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_A compliant
- Various range of colors and length
- Halogen free (LSOH)



Product Overview

The new DIGITUS® Category 6_A S-FTP patch cables are manufactured and tested to the ISO/IEC 11801, DIN EN 50173 and DIN EN 50288-5-1 Category 6_A 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_A 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 easy identify the Category 6_A because of the new yellow colored connector.

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, servers and other active and passive components. The RJ45 connector with 3µin 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 6A S-FTP patch cables are manufactured and tested to the ISO/IEC and DIN Standards bodies. The performance characteristics are tested up to 500 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	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

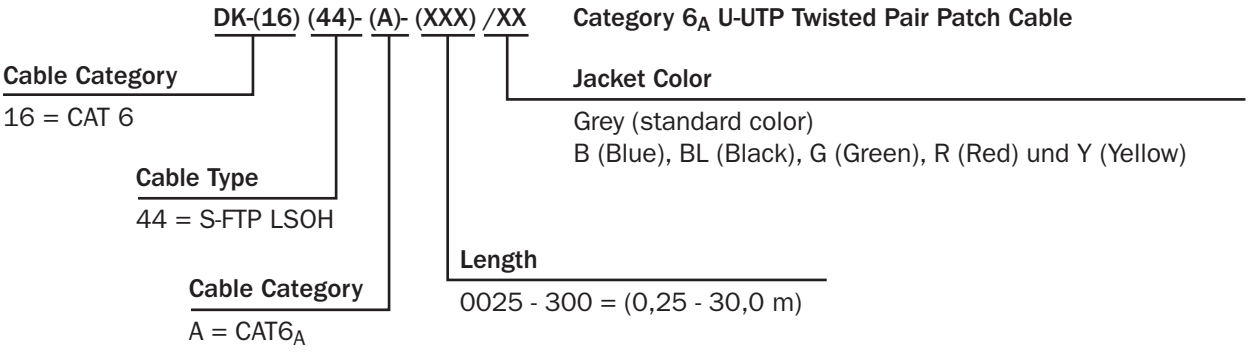
Technical Performance								
Freq.	**Insertion Loss**	**NEXT**	**RL**	**ACR-N**	**ACR-F**	**PS NEXT**	**PS ACR-N**	**PS ACR-F**
(MHz)	**(dB)**	**(dB)**	**(dB)**	**(dB)**	**(dB)**	**(dB)**	**(dB)**	**(dB)**
1,00	4,00	65,00	19,00	61,00	63,30	62,00	58,00	60,30
4,00	4,20	63,00	19,00	58,90	51,20	60,50	56,40	48,20
8,00	5,80	58,20	19,00	52,40	45,20	55,60	49,80	42,20
10,00	6,50	56,60	19,00	50,10	43,30	54,00	47,50	40,30
16,00	8,20	53,20	18,00	45,00	39,20	50,60	42,40	36,20
20,00	9,20	51,60	17,50	42,50	37,20	49,00	39,80	34,20
25,00	10,20	50,00	17,00	39,80	35,30	47,30	37,10	32,30
31,25	11,50	48,40	16,50	36,90	33,40	45,70	34,20	30,40
62,50	16,40	43,40	14,00	27,00	27,30	40,60	24,20	24,30
100,00	20,90	39,90	12,00	19,00	23,30	37,10	16,20	20,30
200,00	30,10	34,80	9,00	4,70	17,20	31,90	1,80	14,20
250,00	33,90	33,10	8,00	-0,80	15,30	30,20	-3,70	12,30
350,00	40,60	30,60	6,60	-10,00	12,40	27,60	-13,00	9,40
500,00	49,30	27,90	6,00	-21,40	9,30	24,80	-24,50	6,30

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

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Color code system and lenght configurations

Category 6_A 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® is a registered Brand Name of ASSMANN Electronic GmbH

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Part Number Information

	grey/grau	red/rot	yellow/gelb	green/grün	blue/blau	black/schwarz
0,25 m	DK-1644-A-0025 326021	DK-1644-A-0025/R 327172	DK-1644-A-0025/Y 327202	DK-1644-A-0025/G 327158	DK-1644-A-0025/B 326892	DK-1644-A-0025/BL 327127
0,5 m	DK-1644-A-005 327233	DK-1644-A-005/R 327295	DK-1644-A-005/Y 327301	DK-1644-A-005/G 327288	DK-1644-A-005/B 327264	DK-1644-A-005/BL 327271
1,0 m	DK-1644-A-010 327318	DK-1644-A-010/R 327356	DK-1644-A-010/Y 327363	DK-1644-A-010/G 327349	DK-1644-A-010/B 327325	DK-1644-A-010/BL 327332
2,0 m	DK-1644-A-020 327370	DK-1644-A-020/R 327400	DK-1644-A-020/Y 327417	DK-1644-A-020/G 327134	DK-1644-A-020/B 327387	DK-1644-A-020/BL 327394
3,0 m	DK-1644-A-030 327424	DK-1644-A-030/R 327462	DK-1644-A-030/Y 327479	DK-1644-A-030/G 327455	DK-1644-A-030/B 327431	DK-1644-A-030/BL 327448
5,0 m	DK-1644-A-050 327486	DK-1644-A-050/R 327523	DK-1644-A-050/Y 327530	DK-1644-A-050/G 327516	DK-1644-A-050/B 327509	DK-1644-A-050/BL 327493
7,0 m	DK-1644-A-070 327547	DK-1644-A-070/R 327585	DK-1644-A-070/Y 327592	DK-1644-A-070/G 327578	DK-1644-A-070/B 327554	DK-1644-A-070/BL 327561
10,0 m	DK-1644-A-100 327615	DK-1644-A-100/R 327653	DK-1644-A-100/Y 327660	DK-1644-A-100/G 327646	DK-1644-A-100/B 327622	DK-1644-A-100/BL 327639
15,0 m	DK-1644-A-150 327677					
20,0 m	DK-1644-A-200 327738					
25,0 m	DK-1644-A-250 327790					
30,0 m	DK-1644-A-300 327851					

