

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.

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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

| Performance and Specification Overview | |
|--|--|
| 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

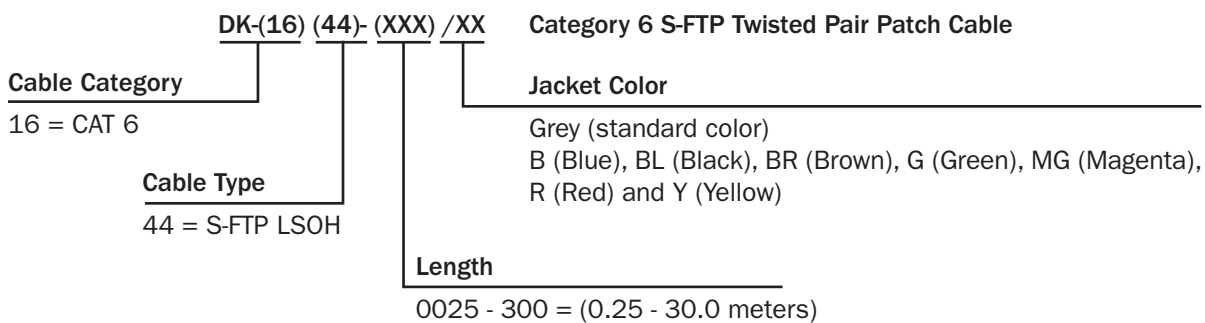
| Technical Performance | | | | | | | | |
|-----------------------|------------------------|--------------|------------|---------------|---------------|-----------------|------------------|------------------|
| Freq. (MHz) | Insertion Loss (dB) | NEXT (dB) | RL (dB) | ACR-N (dB) | ACR-F (dB) | PS NEXT (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.



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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 | | | | | | | |

