

DIGITUS® CAT 7 S/FTP data cable - installation cable, 500 m, simplex, Dca-s2, d1, a1

DK-1743-VH-5

EAN 4016032353997



CAT 7 S-FTP installation cable, 1200 MHz Dca (EN 50575), AWG 23/1, 500 m drum, SX, orange

The Digitus Cat 7 installation cable is designed for use in structured data centers and building cabling in accordance with ISO/IEC 11801, DIN EN 50288-4-1, DIN EN 50173, IEC 61156-7, EN 50288-9-1. The cable is ideal for the transmission of analog and digital data and supports PoE, PoE+, 4PPoE (IEEE 802.3af;3at;3bt). The shield structure consists of individually shielded pairs with a tinned copper braid, which ensures excellent shielding and electrical values.

Future-oriented standards and high-end quality for your network.

- Physical properties:
- Conductor: Bare copper wire, AWG 23/1
- System(s) of assessment and verification of constancy of performance: System 3
- Insulation: SFS-PE (foamed polyethylene jacket)
- Total number of insulated conductors: 8, twisted into 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Shielding of the individual pairs: aluminum-laminated polyester film, covers 100%
- Overall shielding: copper braiding
- Outer sheath: Dca-s2 d1 a1 acc. to EN 50575; LSZH
- Outer sheath thickness (nominal): 0.50 mm (Eca); 0.52 mm (Dca); 0.60 mm (Cca); 0.60 (B2ca)
- Color: Orange (RAL 2008)
- Mechanical properties:
- Strain relief: 135N max.
- Dynamic bending radius: 8x AD mm min.
- Static bending radius: 4x AD mm min.

- Transport and storage temperature range: -20 °C to +60 °C
- Operating temperature range: -20 °C to +50 °C
- Installation temperature range: 0 °C to +50 °C
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 1000 MHz; 100±25 OHM @ 100-600 MHz
- Capacitance: 45pF/m nom. at 1KHz
- Capacitance: 40 pF/m nominal @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC resistance: 95 Ohm/km max. (2% max. unbalanced resistance)
- Loop resistance: 190 Ohm/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling attenuation: CA-Type 1b
- Phase delay: 450 nS/100 m max.
- Time delay: 10 nS/100 m max.
- Separation class: "d" according to EN 50174-2
- NVP: 79%
- Flame spread: EN 60332-1-2 (LSOH-PVC)
- Halogen-free, corrosiveness: EN 60754-1/2 (LSOH)
- Smoke density EN 61034-2

Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 7
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Dca
- Length: 500 m
- Color: orange
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

| Logistics | | | | | | |
|------------------------------|--------------|-------------|------------|------------|-------------|------------|
| | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm³ |
| Packaging Unit Carton | 1 | 27.00 | 55.00 | 55.00 | 35.00 | 105,875.00 |
| Packaging Unit Inside | 1 | 27.00 | 55.00 | 55.00 | 35.00 | 105,875.00 |
| Packaging Unit Single | 1 | 27.00 | 55.00 | 55.00 | 35.00 | 105,875.00 |
| Net single without Packaging | 0 | 27.00 | 54.00 | 54.00 | 34.00 | 99,144.00 |

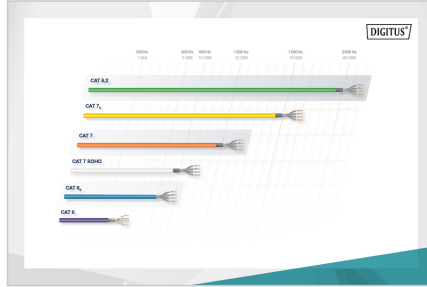
More images:



| EN 50323-305 | Standardisierte Produktkategorie | Leitungscharakteristik (20°C) / Leitungsfunktion (EN 50323-305) | Auflage der verifizierten Seite / Proof of compliance (EN 50323-305) | Zertifizierung / Certification (EN 50323-305) |
|--------------|----------------------------------|---|--|---|
| B2ca | Sehr hoch / Very high | 1+ | <ul style="list-style-type: none"> • 100% Abschirmung / 100% Shielding • 100% Abschirmung / 100% Shielding • 100% Abschirmung / 100% Shielding • 100% Abschirmung / 100% Shielding | S |
| Cca | Hoch / High | 3 | <ul style="list-style-type: none"> • Typischerweise / Typically • Typischerweise / Typically • Typischerweise / Typically | d |
| Dca | Mittel / Medium | 3 | <ul style="list-style-type: none"> • Typischerweise / Typically • Typischerweise / Typically • Typischerweise / Typically | a |
| Eca | Gering / Low | 3 | <ul style="list-style-type: none"> • Typischerweise / Typically • Typischerweise / Typically • Typischerweise / Typically | a |

Produktkategorie Cca s1a d1 a1
AWG 23/1
1200 MHz
10 Gbit Ethernet
20° / +50°
LSZH
Dca EPR class

| ENIG | JET | MEET | PREMEET | ACE | PLUG | IK | ELAST | PRELUST |
|------|-----|------|---------|-----|------|-----|-------|---------|
| 1.1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 |
| 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 |
| 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 |
| 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 |
| 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 |
| 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 |
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| 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 |
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| 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 |
| 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 |
| 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 |
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| 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 |
| 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 |
| 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 |
| 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 |
| 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 |
| 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 |
| 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 |
| 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 |
| 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 |
| 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 |
| 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 |
| 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 |
| 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 |
| 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 |
| 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 |
| 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 |
| 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 |
| 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 |
| 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 |
| 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 |
| 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 |
| 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 |
| 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 |
| 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 |
| 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 |
| 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 |
| 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 |
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| 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 |
| 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 |
| 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 |
| 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 |
| 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 |
| 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 |
| 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 |
| 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 |
| 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 |
| 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 |
| 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 |
| 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 |
| 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 |
| 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 |
| 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 |
| 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 |
| 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 |
| 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 |
| 1000 | | | | | | | | |

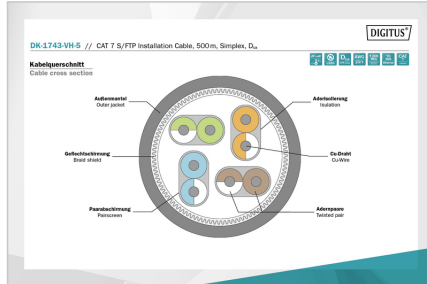


CAT 7 S/FTP Installation Cable, 500m, Simplex, Dca

AWG 23/1
1200 MHz
10 Gbit Ethernet
20° / +50°
LSZH
Dca EPR class

DK-1743-VH-5 // CAT 7 S/FTP Installation Cable, 500m, Simplex, Dca

Anwendungsbispiel
Example of use



| Produktinformation / Product Information | Physikalische Spezifikationen / Physical Properties |
|--|---|
| Hersteller / Manufacturer: Digitus (China) Teilenummer / Part Number: DK-1743-VH-5 Material / Material: PVC Farbe / Color: Orange Abmessungen / Dimensions: 12.5mm x 12.5mm x 1.5mm Nettogewicht / Net Weight: 1.5kg Bruttogewicht / Gross Weight: 1.8kg Verpackung / Packaging: 100m / 328ft per reel Umweltbedingungen / Environmental Conditions: -20°C to +50°C | Leitungscharakteristik / Conductive Properties: - 100% Abschirmung / 100% Shielding - 100% Abschirmung / 100% Shielding - 100% Abschirmung / 100% Shielding - 100% Abschirmung / 100% Shielding Mechanische Eigenschaften / Mechanical Properties: - Zugfestigkeit / Tensile Strength: 100N - Bruchdehnung / Elongation at Break: 100% - Reißgeschwindigkeit / Tear Speed: 100mm/min - Reißkraft / Tear Force: 100N - Reißenergie / Tear Energy: 100J - Reißwinkel / Tear Angle: 90° - Reißrichtung / Tear Direction: Parallel to the length of the cable |

