

# DIGITUS® CAT 7 S/FTP data cable - installation cable, 100 m, duplex, Dca-s2, d1, a1

DK-1743-VH-D-1

EAN 4016032392118



## CAT 7 S-FTP installation cable, 1200 MHz Dca (EN 50575), AWG 23/1, 100 m ring, Dx, 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 60332-3-24, EN 50575. 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
- 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

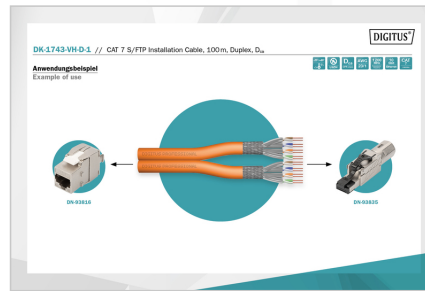
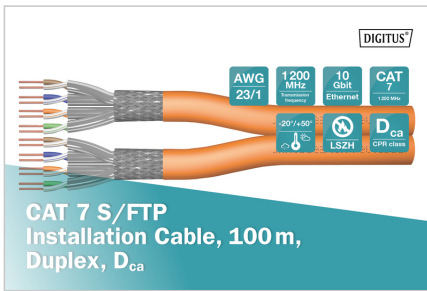
- Installation temperature range: 0 °C to +50 °C
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 1000 MHz; 100±25 OHM @ 100-600 MHz
- Capacitance: 45pF/m nom. at 1KHz
- Capacitance: 40 pF/m nominal @ 1 KHz
- Capacitance unbalance (pair-earth): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm 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

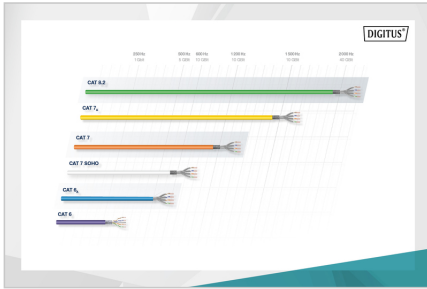
- Assortment: Twisted Pair Installation Cables
- Category: CAT 7
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Dca
- Length: 100 m
- Color: orange
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

| Logistics                    |              |             |            |            |             |           |
|------------------------------|--------------|-------------|------------|------------|-------------|-----------|
|                              | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm³       |
| Packaging Unit Carton        | 1            | 10.14       | 36.00      | 36.00      | 16.00       | 20,736.00 |
| Packaging Unit Inside        | 1            | 10.14       | 36.00      | 36.00      | 16.00       | 20,736.00 |
| Packaging Unit Single        | 1            | 10.14       | 36.00      | 36.00      | 16.00       | 20,736.00 |
| Net single without Packaging | 0            | 0.00        | 0.00       | 0.00       | 0.00        | 0.00      |

More images:



| CE-Bewertung<br>für die Anwendung | Benennung des<br>Produktionsortes | Leistungsleistung (dB) /<br>Leistungsfähigkeit (dB) | Ausgabe der verifizierten Werte<br>Punkt der Anwendung   | Zusätzliche<br>Anforderungen   |
|-----------------------------------|-----------------------------------|---|--|--|
| B2ca                              | Sehr hoch<br>Very high            | 1+  | <ul style="list-style-type: none"> <li>• Typüberprüfung</li> <li>• Typüberprüfung</li> <li>• Typüberprüfung</li> <li>• Typüberprüfung</li> <li>• Typüberprüfung</li> </ul> | S<br>Anforderung<br>an die<br>Herstellung<br>von<br>Kabeln<br>mit<br>einer<br>Leistungsfähigkeit<br>von<br>1+ dB<br>über<br>den<br>gesamten<br>Bereich |
| C2ca                              | Hoch<br>High                      |   |  | d<br>Anforderung<br>an die<br>Herstellung<br>von<br>Kabeln<br>mit<br>einer<br>Leistungsfähigkeit<br>von<br>3 dB<br>über<br>den<br>gesamten<br>Bereich  |
| D2ca                              | Mittel<br>Medium                  | 3   | <ul style="list-style-type: none"> <li>• Typüberprüfung</li> <li>• Typüberprüfung</li> </ul>   | a<br>Anforderung<br>an die<br>Herstellung<br>von<br>Kabeln<br>mit<br>einer<br>Leistungsfähigkeit<br>von<br>5 dB<br>über<br>den<br>gesamten<br>Bereich  |
| E2ca                              | Gering<br>Low                     |   |  |  |
| Beste<br>Ergebnisse               | C2ca                              | s1a   | d1   | a1   |



| Leistungsleistung / Performance Properties |      |      |         |      |        |     |        |        |           |
|--|------|------|---------|------|--------|-----|--------|--------|-----------|
| FREQ.                                      | ATT. | NEET | PL NEXT | ALO  | PL ACR | SL  | PL EFT | PL ERF | PL ERFEXT |
| 1  | 1    | 2    | 7       | 7    | 2      | 2   | 7      | 7      | 7         |
| 10   | 1.3  | 3    | 7       | 7    | 2.1    | 2.1 | 7      | 7      | 7         |
| 100  | 1.6  | 3.5  | 6.6     | 6.6  | 2.6    | 2.6 | 6.6    | 6.6    | 6.6       |
| 1000                                       | 2    | 5    | 5.5     | 5.5  | 3.1    | 3.1 | 5.5    | 5.5    | 5.5       |
| 10000                                      | 2.3  | 6.5  | 4.5     | 4.5  | 3.6    | 3.6 | 4.5    | 4.5    | 4.5       |
| 100000                                     | 2.6  | 7.5  | 3.5     | 3.5  | 4.1    | 4.1 | 3.5    | 3.5    | 3.5       |
| 1000000                                    | 2.9  | 8.5  | 2.5     | 2.5  | 4.6    | 4.6 | 2.5    | 2.5    | 2.5       |
| 10000000                                   | 3.2  | 9.5  | 1.5     | 1.5  | 5.1    | 5.1 | 1.5    | 1.5    | 1.5       |
| 100000000                                  | 3.5  | 10.5 | 0.5     | 0.5  | 5.6    | 5.6 | 0.5    | 0.5    | 0.5       |
| 1000000000                                 | 3.8  | 11.5 | -0.5    | -0.5 | 6.1    | 6.1 | -0.5   | -0.5   | -0.5      |

| Produktkennzeichnung / Product Information  | Physikalische Spezifikationen / Physical Properties   |
|---|---|
| <b>Produktkennzeichnung</b><br>Produktname: CAT 7 S/FTP Installation Cable<br>Produkttyp: CAT 7 S/FTP Installation Cable<br>Produktlänge: 100 m<br>Produktfarbe: Orange<br>Produktgewicht: 1.2 kg<br>Produktmaterial: PVC | <b>Physikalische Spezifikationen</b><br>Drahttyp: AWG 23/1<br>Drahtgröße: 0.6 mm<br>Drahtanzahl: 12<br>Drahtmaterial: Kupfer<br>Drahtstruktur: S/FTP<br>Drahtfarbe: Orange<br>Drahtlänge: 100 m<br>Drahtgewicht: 1.2 kg<br>Drahtmaterial: PVC |

