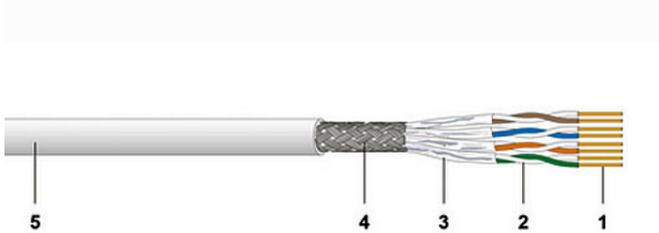


CU 7000 4P Home

Data cable, S/FTP, Category 7, AWG26, Euroclass Dca

1000 MHz



Also available in PullQuick box

- 1 Inner conductor: AWG26 bare copper wire
- 2 Wire: 1.0mm & empty;
- 3 Screen (pair): Alu PETP foil
- 4 Overall screen: Tinned braided copper
- 5 Outer sheath: FRNC/LS0H white RAL 9010



Description

Electrically and mechanically high-quality Cat.7 data cable - exceeds the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-4-1 on links up to 60 metres.

Excellent shielding effect due to individually screened pairs and overall copper braid.

Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

Application

Data cable for in-home network cabling and residential premise cabling with maximum link lengths of up to 60 metres.

For the transmission of digital and analogue voice, video and data signals.

Supports Ethernet protocols up to 10GBase-T and all Power over Ethernet applications.

10GBase-T is fully supported when installing up to three CU 7000 4P cables in the same M20 pipe and four CU 7000 4P cables in the same M25 pipe (Alien NEXT cancellation due to foil and braid shielding).

Suitable for all ICT network applications up to class F applications (600 MHz) in accordance with EN 50173-1 and ISO/IEC 11801 on links up to 60 m.

Construction

| | |
|-----------------------|-----------|
| Outer sheath material | FRNC/LSZH |
| Outer sheath colour | white |

General properties

| | |
|--------------------------|--|
| Installation temperature | 0 °C - +50 °C |
| Operating temperature | -20 °C - +60 °C |
| Wire colour | white/blue, white/orange, white/green, white/brown, according to IEC 60189 and IEC 60708 |
| Imprint | DATWYLER «cable type» «additional text» «batch number» «meter marks» |
| Field of application | Indoor |

Electrical properties

| | |
|---|---------------------|
| Category | Cat.7 |
| Gbit/s | Up to 10 Gbit/s |
| Loop resistance at 20 °C | 260 Ω/km |
| Operating capacity | 41 pF/m |
| Impedance at 100 MHz, ±5Ω | 100 Ω |
| NVP % | 81 |
| Delay skew | 12 ns/100 m |
| Shielding | shielded |
| Near end unbalance attenuation LCL at 1-600 MHz | 40 dB |
| Transfer impedance 1/10/30 MHz | < 11/10/30/100 mΩ/m |
| Coupling attenuation | 85 dB |
| Segregation class | d |

| Frequency [MHz] | Category | Attenuation [dB] (60M) | NEXT [dB] | PS-NEXT [dB] | ACR-N [dB] | PS-ACR-N [dB] | ACR-F [dB] | Return Loss [dB] |
|-----------------|----------------|------------------------|-----------|--------------|------------|---------------|------------|------------------|
| 1 | | 1.5 | 100 | 97 | 98 | 95 | 98 | 26 |
| 4 | | 2.8 | 100 | 97 | 97 | 94 | 98 | 30 |
| 10 | | 4.2 | 100 | 97 | 95 | 92 | 98 | 33 |
| 100 | 5e | 14.0 | 100 | 97 | 86 | 83 | 82 | 33 |
| 250 | 6 | 22.5 | 100 | 97 | 77 | 74 | 73 | 28 |
| 500 | 6 _A | 32.0 | 92 | 89 | 60 | 57 | 63 | 26 |
| 600 | 7 | 35.0 | 90 | 87 | 55 | 52 | 60 | 25 |
| 800 | | | 90 | 87 | 49 | 46 | 56 | 23 |
| 862 | | | 85 | 82 | 42 | 39 | 54 | 22 |
| 1,000 | | | 80 | 77 | 32 | 29 | 51 | 21 |

The performance data given are typical measured values.

Mechanical properties

| | |
|--|------------|
| Solid / Flex | Solid wire |
| AWG | 26 |
| Minimum bending radius (permanently installed) | 23 mm |
| Minimal crush resistance / 10cm | 1,000 N |
| Minimum bending radius (during installation) | 46 mm |
| Minimum number of impacts | 3 |

Standards

| | |
|---------------------------------|---|
| Reaction to fire | EN 13501-6 |
| Euroclass | D _{ca} |
| Smoke density | IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2 |
| Zero halogen no corrosive gases | IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2 |
| Flame propagation | IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2 |
| Flame spread | IEC 60332-3-24, EN 60332-3-24 |
| Cables standard | ISO/IEC 61156-5, EN 50288-4-1 |
| Cat./Class | Cat.7 / Class F |
| PoE | IEEE 802.3at |

Versions

| Material number | Product | Reaction to fire | Dimensions n x p x [mm (AWG)] | Outer sheath dimensions [mm] | CU rate [kg/km] | Weight [kg/km] | Fire load [kWh/m] | Packing unit | GTIN / EAN |
|-----------------|------------|------------------|-------------------------------|------------------------------|-----------------|----------------|-------------------|---------------------|----------------|
| 19199100DP | CU 7000 4P | Dca-s2,d1,a1 | 4 x 2 x 0.42 (AWG26) | 5.6 | 18 | 35.2 | 0.11 | 305 m PullQuick box | 40393910029031 |
| 19199100DK | CU 7000 4P | Dca-s2,d1,a1 | 4 x 2 x 0.42 (AWG26) | 5.6 | 18 | 35 | 0.11 | 1000 m drum | |

Subject to technical modification

As of 2025-03-20 13:50:25