

CU 8206 4P flex

Flexible data cable, S/FTP, Category 8.2, AWG26, Euroclass Dca

2000 MHz



- 1 Inner conductor: AWG26, bare copper wire, stranded
- 2 PE insulated conductor: Ø 0.99 mm
- 3 Screen (pair): Alu PETP foil
- 4 Overall screen: Tinned braided copper
- 5 Outer sheath: FRNC/LS0H grey, RAL 7035



Description

Electrically and mechanically superior quality Cat.8.2 patch cord - exceeds the requirements of ISO/IEC 11801, IEC 61156-6, EN 50173-1, EN 50288-4-2 and IEC 61156-10.

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

Easy wire identification and termination due to different coloured wires.

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

Application

Patch cord in patch panels and as equipment connection cable.

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

Suitable for all ICT network applications up to 2000 MHz.

Applicable for Power over Ethernet (PoE / PoE+).

General properties

| | |
|--------------------------|--|
| Field of application | Indoor |
| Wire colour | white/blue-white, white/orange-white, white/green-white, white/brown-white (with length stripes) |
| Installation temperature | 0 °C - +50 °C |
| Operating temperature | -20 °C - +60 °C |
| Outer sheath colour | grey |
| Outer sheath material | FRNC/LSZH |
| Imprint | DATWYLER «cable type» «additional text» «batch number» «meter marks» |

Electrical properties

| | |
|---|------------------|
| Category | Cat.8.2 |
| Coupling attenuation | 85 dB |
| Delay skew | 4 ns/100 m |
| Gbit/s | Up to 40 Gbit/s |
| Impedance at 100 MHz, $\pm 5\Omega$ | 100 Ω |
| Loop resistance at 20 °C | 270 Ω /km |
| Near end unbalance attenuation LCL at 1-600 MHz | 40 dB |
| NVP % | 78 |
| Operating capacity | 43 pF/m |
| Shielding | shielded |
| Transfer impedance | 10 m Ω /m |
| Transfer impedance 1/10/30 MHz | 10 m Ω /m |

| Frequency [MHz] | Category | NEXT [dB] | PS-NEXT [dB] | ACR-N [dB] (10M) | PS-ACR-N [dB] (10M) | ACR-F [dB] (10M) | Return Loss [dB] (10m) |
|-----------------|----------------|-----------|--------------|------------------|---------------------|------------------|------------------------|
| 1 | | 103 | 100 | 102 | 99 | 100 | 28 |
| 4 | | 103 | 100 | 102 | 99 | 100 | 30 |
| 10 | | 103 | 100 | 102 | 99 | 100 | 30 |
| 100 | 5e | 103 | 100 | 100 | 97 | 100 | 30 |
| 250 | 6 | 95 | 92 | 91 | 88 | 91 | 28 |
| 500 | 6 _A | 95 | 92 | 89 | 86 | 89 | 26 |
| 600 | 7 | 94 | 91 | 87 | 84 | 87 | 25 |
| 862 | | 92 | 89 | 84 | 81 | 84 | 24 |
| 1,000 | 7 _A | 90 | 77 | 81 | 78 | 81 | 23 |
| 1,600 | | 85 | 82 | 74 | 71 | 74 | 20 |
| 2,000 | | 80 | 77 | 67 | 64 | 67 | 18 |

The performance data given are typical measured values.

Mechanical properties

| | |
|---------------------------|--------------------------|
| Solid / Flex | Stranded wire (flexible) |
| AWG | 26 |
| Minimum bending radius | 20 mm |
| Minimum number of impacts | 10 |
| Repeated bending | 1000 cycles |
| Tensile strength (4P) | 56 N |

Standards

| | |
|---------------------------------|---|
| Cat./Class | Cat.8.2 / Class I/II |
| PoE | IEEE 802.3af |
| Reaction to fire (Euroclasses) | EN 13501-6: D _{ca} |
| 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 |
| Smoke density | IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2 |
| Cables standard | ISO/IEC 61156-10, EN 50288-12-2 |

Versions

| Material number | Product | Reaction to fire | Dimensions n x p x [mm ² (AWG)] | Outer sheath dimensions [mm] | CU rate [kg/km] | Weight [kg/km] | Fire load [kWh/m] | Packing unit | GTIN / EAN |
|-----------------|-----------------|------------------|---|---------------------------------|-----------------|----------------|-------------------|--------------|----------------|
| 19206800DK | CU 8206 4P Flex | Dca-s2,d1,a1 | 4 x 2 x 0.132 (AWG26) | 5.8 | 18.1 | 37 | 0.11 | 1000 m drum | 40393910028003 |

Subject to technical modification

As of 2022-09-02 10:14:05