

## CU 7725 4P / 2x4P F8

Data cable, S/FTP, 25GBase-T, AWG22, Euroclass B2ca



- 1 Inner conductor: AWG22 Bare copper wire
- 2 PE insulated conductor: 1.5 mm ;
- 3 Screen (pair): Alu PETP foil
- 4 Overall screen: Tinned braided copper
- 5 Outer sheath: FRNC/LS0H



### Description

Electrically and mechanically superior quality Cat.7A data cable with extended frequency range up to 1300 MHz - exceeds the requirements of ISO/IEC 11801, IEC 61156-5, IEC 61156-7, EN 50173-1 and EN 50288-9-1.

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

Easy identification of wires thanks to longitudinal colour markings.

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

### Applicazione

High-end data cable for data centres and for structured premises cabling.

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

Suitable for all ICT network applications up to 25GBase-T (1250 MHz) up to 50 m (Channel) and up to class FA (1000 MHz) up to 100 m in accordance with EN 50173-1 and ISO/IEC 11801 as well as for multimedia applications in the CATV frequency range up to 862 MHz in accordance with IEC 15018.

Due to the increased wire section eminently suited for Power over Ethernet (PoE), PoE+ and 4PPoE.

### Proprietà generali

|                          |  |
|--------------------------|--|
| Colore del filo          | bianco - blu/blu,<br>bianco arancio/arancione,<br>bianco verde/verde,<br>bianco marrone/marrone in accordo con IEC 60189 e IEC 60708 (contrassegnato da un anello) |
| Impronta                 | DATWYLER «cable type» «additional text» «batch number» «meter marks»   |
| Installation temperature | 0 °C - +50 °C  |
| Operating temperature    | -20 °C - +60 °C  |

### Proprietà elettriche

|   |                                    |
|---|------------------------------------|
| Attenuazione di accoppiamento                   | 85 dB                              |
| Category  | Cat.7 <sub>A</sub>                 |
| EMC   | shielded                           |
| Gbit/s  | Up to 25 Gbit/s (max. length 50 m) |
| Impedenza a 100 MHz, $\pm 5\Omega$              | 100 $\Omega$                       |
| Loop resistance at 20°C                         | 116 $\Omega$ /km                   |
| Near end unbalance attenuation LCL at 1-600 MHz | 40 dB                              |
| NVP %   | 76                                 |

|                                |              |
|--------------------------------|--------------|
| operating capacity             | 43 pF/m      |
| Ritardo Skew                   | 15 ns/100 m  |
| Segregation class              | d            |
| Transfer impedance 1/10/30 MHz | < 5/5/8 mΩ/m |

## Proprietà meccaniche

|  |         |
|--|---------|
| Solid / Flex                                 | stabile |
| AWG  | 22      |
| Curvatura minima durante l'installazione     | 64 mm   |
| Minimum bending radius permanently installed | 32 mm   |
| Minimum number of impacts                    | 10      |
| Resistenza alla trazione (2x4P)              | 240 N   |
| Resistenza alla trazione (4P)                | 120 N   |
| Resistenza minima allo schiacciamento / 10cm | 1.000 N |

## Standards

|                                 |   |
|---------------------------------|---|
| Cat./Class                      | Cat.7 <sub>A</sub> / Class F <sub>A</sub>                               |
| PoE                             | IEEE 802.3bt Type 4 (100W)  |
| Reaction to fire (Euroclasses)  | EN 13501-6: B2 <sub>ca</sub>  |
| Zero halogen no corrosive gases | IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA  |
| Flame Propagation               | AREI-RGIE Art.104-F1, EN 60332-1-2, IEC 60332-1-2, VDE 0482-332-1-2     |
| Flame Spread                    | IEC 60332-3-24, EN 60332-3-24, AREI-RGIE Art.104-F2                     |
| Smoke Density                   | IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD |

## Versions

| Numero Materiale | Numero di coppie | AWG   | Product      | Reaction To Fire | Dimensions n x p x [mm (AWG)] | Outer sheath colour | Diametro mm | Diametro esterno della guaina [mm] | Dimensioni della guaina esterna [mm] | Tasso di CU [kg/km] | Weight [kg/km] | Fire load [kWh/m] | Number of cables |
|------------------|------------------|-------|--------------|------------------|-------------------------------|---------------------|-------------|------------------------------------|--------------------------------------|---------------------|----------------|-------------------|------------------|
| 19434900BK       | 4                | AWG22 | CU 7725 4P   | B2ca-s1a,d1,a1   | 4 x 2 x 0.62 (AWG22)          | arancia             | 0,62        | 7,6                                |                                      |                     | 62             |                   | 1                |
| 19434900BL       | 4                | AWG22 | CU 7725 4P   | B2ca-s1a,d1,a1   | 4 x 2 x 0.62 (AWG22)          | arancia             | 0,62        |                                    |                                      |                     | 62             |                   | 1                |
| 19435002BL       | 4                | AWG22 | CU 7725 2x4P | B2ca-s1b,d1,a1   | 2 x (4 x 2 x 0.62 (AWG22))    | arancia             | 0,62        |                                    | 7.6 x 16.2                           | 69,8                | 125            | 0,36              | 2                |