

## CU 7702 4P flex

Flexible data cable, S/FTP, Category 7, AWG26, Euroclass B2ca

862 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/LSZH, various colours



### Descrizione

Electrically and mechanically superior quality Cat.7 patch cord - exceeds the requirements of ISO/IEC 11801, IEC 61156-6, EN 50173-1 and EN 50288-4-2.

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

Easy wire identification and termination due to different coloured wires.

Compatible with all current connecting hardware in accordance with EN 50173, ISO/IEC 11801 and 60603-x.

### Applicazione

As patch cord in patch panels and as equipment connection cable, especially suitable for CP (Consolidation Point) applications.

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

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

Optimized for the transmission of broadband signals (such as cable TV) in accordance with IEC 15018.

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

### Proprietà generali

|                                |  |
|--------------------------------|--|
| Campo di applicazione          | Interno  |
| Colore del filo                | bianco/blu, rosso/arancio, nero/verde, giallo/marrone, secondo IEC 60189 e IEC 60708 |
| Installation temperature       | 0 °C - +50 °C  |
| Operating temperature          | -20 °C - +60 °C  |
| Materiale della guaina esterna | FRNC/LSZH  |
| Impronta                       | DATWYLER «cable type» «additional text» «batch number» «meter marks»                 |

## Proprietà elettriche

|   |                  |
|---|------------------|
| Attenuazione di accoppiamento                   | 70 dB            |
| Categoria                                       | Cat.7            |
| Gbit/s  | A 10 Gbit/s      |
| Impedenza a 100 MHz, $\pm 5\Omega$              | 100 $\Omega$     |
| Loop resistance at 20 °C                        | 270 $\Omega$ /km |
| Near end unbalance attenuation LCL at 1-600 MHz | 40 dB            |
| NVP %   | 78               |
| Operating capacity                              | 43 pF/m          |
| Ritardo Skew                                    | 4 ns/100 m       |
| Schermatura                                     | schermati        |
| Segregation class                               | c                |
| Transfer impedance                              | 10 m $\Omega$ /m |

| Frequenza [MHz] | Categoria      | Attenuation [dB] (10M) | NEXT [dB] | ACR-N [dB] (10M) | PS-ACR-N [dB] (10M) | ACR-F [dB] (10M) | Perdita di ritorno [dB] |
|-----------------|----------------|------------------------|-----------|------------------|---------------------|------------------|-------------------------|
| 1               |                | 0,26                   | 100       | 100              | 97                  | 100              | 26                      |
| 4               |                | 0,5                    | 100       | 99               | 96                  | 99               | 32                      |
| 10              |                | 0,79                   | 100       | 99               | 96                  | 99               | 35                      |
| 100             | 5e             | 2,67                   | 100       |                  | 94                  | 97               | 30                      |
|                 |                |                        |           | 97               |                     |                  |                         |
| 250             | 6              | 4,3                    | 95        | 91               | 88                  | 95               | 27                      |
| 500             | 6 <sub>A</sub> | 6,2                    | 92        | 86               | 83                  | 91               | 24                      |
| 600             | 7              | 6,71                   | 90        | 83               | 80                  | 88               | 23                      |
| 800             |                | 7,9                    | 90        | 82               | 79                  | 87               | 21                      |
| 862             |                | 8,3                    | 90        | 82               | 79                  | 87               | 21                      |

I dati sulle prestazioni indicati sono valori tipici misurati.

## Proprietà meccaniche

|  |                             |
|--|-----------------------------|
| Solid / Flex                                 | Filo a trefoli (flessibile) |
| AWG  | 26                          |
| Minimum bending radius                       | 20 mm                       |
| Minimum number of impacts                    | 10                          |
| Repeated bending                             | 1000 cycles                 |
| Resistenza alla trazione (4P)                | 56 N                        |
| Resistenza minima allo schiacciamento / 10cm | 600 N                       |

## Standards

|                                   |  |
|-----------------------------------|--|
| Cat./Class                        | Cat.7 / Class F  |
| PoE                               | IEEE 802.3af   |
| Reaction to fire (Euroclasses)    | EN 13501-6: B2 <sub>ca</sub>   |
| Zero alogeni nessun gas corrosivo | IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA                         |
| Propagazione della fiamma         | AREI-RGIE Art.104-F1, EN 60332-1-2, IEC 60332-1-2, VDE 0482-332-1-2                            |
| Densità del fumo                  | IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD - applies to FRNC/LS0H |
| Standard dei cavi                 | ISO/IEC 61156-6, EN 50288-4-2  |

## Versioni

| Codice art. | Prodotto        | Reaction to fire | Dimensions n x p x (mm <sup>2</sup> (AWG)) | Colore della guaina esterna | Dimensioni della guaina esterna [mm] | Tasso di CU [kg/km] | Weight [kg/km] | Fire load [kWh/m] | Unità di imballaggio | GTIN / EAN     |
|-------------|-----------------|------------------|--|-----------------------------|--------------------------------------|---------------------|----------------|-------------------|----------------------|----------------|
| 18114600BK  | CU 7702 4P Flex | B2ca-s1a,d1,a1   | 4 x 2 x 0.132 (AWG26)                      | grigio                      | 5.8                                  | 18,1                | 36             | 0,11              | 1000 m tamburo       | 40393910042016 |
| 18124300BK  | CU 7702 4P Flex | B2ca-s1a,d1,a1   | 4 x 2 x 0.132 (AWG26)                      | giallo                      | 5.8                                  | 18,1                | 40             | 0,11              | 1000 m tamburo       | 40393910041644 |
| 18277300BK  | CU 7702 4P Flex | B2ca-s1a,d1,a1   | 4 x 2 x 0.132 (AWG26)                      | rosso                       | 5.8                                  | 18,1                | 40             | 0,11              | 1000 m tamburo       | 40393910041262 |
| 18278400BK  | CU 7702 4P Flex | B2ca-s1a,d1,a1   | 4 x 2 x 0.132 (AWG26)                      | arancia                     | 5.8                                  | 18,1                | 40             | 0,11              | 1000 m tamburo       | 40393910041200 |
| 18287100BK  | CU 7702 4P Flex | B2ca-s1a,d1,a1   | 4 x 2 x 0.132 (AWG26)                      | nero                        | 5.8                                  | 18,1                | 40             | 0,11              | 1000 m tamburo       | 40393910041101 |
| 18287200BK  | CU 7702 4P Flex | B2ca-s1a,d1,a1   | 4 x 2 x 0.132 (AWG26)                      | verde                       | 5.8                                  | 18,1                | 40             | 0,11              | 1000 m tamburo       | 40393910041040 |
| 18287300BK  | CU 7702 4P Flex | B2ca-s1a,d1,a1   | 4 x 2 x 0.132 (AWG26)                      | blu                         | 5.8                                  | 18,1                | 40             | 0,11              | 1000 m tamburo       | 40393910040982 |
| 18565500BK  | CU 7702 4P Flex | B2ca-s1a,d1,a1   | 4 x 2 x 0.132 (AWG26)                      | porpora                     | 5.8                                  | 18,1                | 40             | 0,11              | 1000 m tamburo       | 40393910040005 |
| 18844000BK  | CU 7702 4P Flex | B2ca-s1a,d1,a1   | 4 x 2 x 0.132 (AWG26)                      | bianco                      | 5.8                                  | 18,1                | 40             | 0,11              | 1000 m tamburo       | 40393910034868 |

Con riserva di modifiche tecniche

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