

## 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/LS0H, 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
Impronta	DATWYLER «cable type» «additional text» «batch number» «meter marks»
Installation temperature	0 °C - +50 °C
Operating temperature	-20 °C - +60 °C
Materiale della guaina esterna	FRNC/LSZH

## 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	Dimensioni 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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