

CU 7702 4P flex

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



- 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



Description

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+.

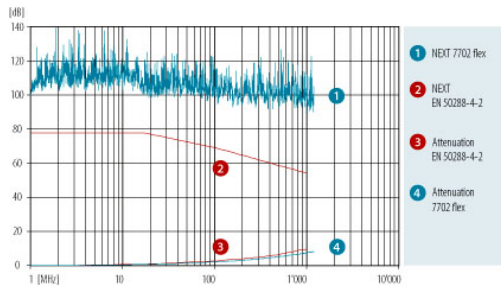
Proprietà generali

Colore del filo	bianco - blu/blu, bianco arancio/arancione, bianco verde/verde, 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
Integrità del circuito	No
Operating temperature	-20 °C - +60 °C

Proprietà elettriche

Attenuazione di accoppiamento	70 dB
Category	Cat.7
EMC	shielded
Gbit/s	Up to 10 Gbit/s
Impedenza a 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
Ritardo Skew	4 ns/100 m
Segregation class	c
Transfer impedance	10 mΩ/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 _A	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

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 _{ca}
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
Smoke Density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD - applies to FRNC/LS0H

Versions

Numero Materiale	Numero di coppie	AWG	Product	Reaction To Fire	Outer sheath colour	Diametro mm ²	Diametro esterno della guaina [mm]	Tasso di CU [kg\km]	Weight [kg\km]	Fire load [kWh\m]	Number of cables
18114600BK	4	AWG26	CU 7702 4P Flex	B2ca-s1a,d1,a1	grigio	0.132	5,8	18,1	36	0,11	1



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18124300BK	4	AWG26	CU 7702 4P Flex	B2ca-s1a,d1,a1	giallo	0.132	5,8	18,1	40	0,11	1
18277300BK	4	AWG26	CU 7702 4P Flex	B2ca-s1a,d1,a1	rosso	0.132	5,8	18,1	40	0,11	1
18278400BK	4	AWG26	CU 7702 4P Flex	B2ca-s1a,d1,a1	arancia	0.132	5,8	18,1	40	0,11	1
18287100BK	4	AWG26	CU 7702 4P Flex	B2ca-s1a,d1,a1	nera	0.132	5,8	18,1	40	0,11	1
18287200BK	4	AWG26	CU 7702 4P Flex	B2ca-s1a,d1,a1	verde	0.132	5,8	18,1	40	0,11	1
18287300BK	4	AWG26	CU 7702 4P Flex	B2ca-s1a,d1,a1	blu	0.132	5,8	18,1	40	0,11	1
18565500BK	4	AWG26	CU 7702 4P Flex	B2ca-s1a,d1,a1	porpora	0.132	5,8	18,1	40	0,11	1
18844000BK	4	AWG26	CU 7702 4P Flex	B2ca-s1a,d1,a1	bianco	0.132	5,8	18,1	40	0,11	1

Con riserva di modifiche tecniche

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