

## CU 7120 4P / 2x4P F8

Data cable, S/FTP, Category 7<sub>A</sub>, AWG 23, Euroclass Dca



- 1 Inner conductor: AWG23 Bare copper wire
- 2 PE insulated conductor: 1.5 mm Ø
- 3 Screen (pair): Alu PETP foil
- 4 Overall screen: Tinned braided copper
- 5 Outer sheath: FRNC/LSOH



### Description

Electrically and mechanically advanced quality Cat.7<sub>A</sub> data cable - fulfils the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-9-1.

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

Reduced outer diameter.

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

### Applicazione

Data cable for structured premises cabling.

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

Suitable for all ICT network applications up to class F<sub>A</sub> applications (1000 MHz) in accordance with EN 50173-1 and ISO/IEC 11801 and for the transmission of broadband signals (such as cable TV) in accordance with ISO/IEC 11801-4.

Applicable for Power over Ethernet PoE / PoE+ / 4PPoE up to 100W.

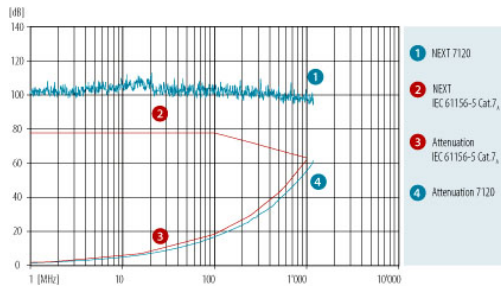
### Proprietà generali

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	85 dB
Category	Cat.7 <sub>A</sub>
EMC	shielded
Gbit/s	Up to 10 Gbit/s
Impedenza a 100 MHz, ±5Ω	100 Ω
Loop resistance at 20°C	134 Ω/km
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
NVP %	76

operating capacity	44 pF/m
Ritardo Skew	14 ns/100 m
Segregation class	d
Transfer impedance 1/10/30 MHz	< 5/5/8 mΩ/m



Frequenza [MHz]	Categoria	Attenuazione [dB]	NEXT [dB]	PS-NEXT [dB]	ACR-N [dB]	PS-ACR-N [dB]	ACR-F [dB]	Perdita di ritorno [dB]
1		1,8	103	100	101	98	108	26
4		3,5	103	100	100	97	106	30
10		5,4	103	100	98	95	104	33
100	5e	17,7	103	100	85	82	92	33
250	6	28	103	100	75	72	82	28
500	6 <sub>A</sub>	41	98	95	57	54	69	26
600	7	46	96	93	50	47	64	25
862		54	92	89	38	35	56	24
1.000	7 <sub>A</sub>	57	90	87	33	30	53	23
1.200		64	85	82	21	18	46	20

## Proprietà meccaniche

Solid / Flex	stabile
AWG	23
Curvatura minima durante l'installazione	60 mm
Minimum bending radius permanently installed	30 mm
Minimum number of impacts	10
Resistenza alla trazione (2x4P)	220 N
Resistenza alla trazione (4P)	110 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: D <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
19146600DK	4	AWG23	CU 7120 4P	Dca-s2,d1,a1	4 x 2 x 0.59 (AWG23)	arancia	0,59	7,6		32,3	60	0,18	1
19146600DL	4	AWG23	CU 7120 4P	Dca-s2,d1,a1	4 x 2 x 0.59 (AWG23)	arancia	0,59	7,6		32,3	60	0,18	1
19146700DL	4	AWG23	CU 7120 2x4P	Dca-s2,d1,a1	2 x (4 x 2 x 0.59 (AWG23))	arancia	0,59		7.6 x 16.0	64,6	120	0,36	2

Con riserva di modifiche tecniche

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