

## CU 7080 4P / 2x4P F8

Data cable, S/FTP, Category 7, AWG23, Euroclass Dca



- 1 Inner Conductor: AWG23 Bare copper wire
- 2 PE insulated conductor: 1.4 Ø
- 3 Screen (pair): Alu PETP foil
- 4 Overall screen: Tinned braided copper
- 5 Outer sheath: FRNC/LSOH



### Description

Electrically and mechanically superior quality Cat.7 data cable - exceeds the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-4-1.

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

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 applications (600 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 IEC 15018.

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

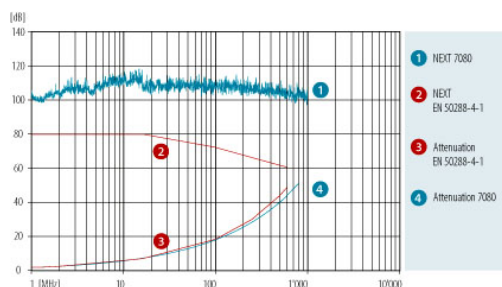
### Proprietà generali

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
EMC	shielded
Gbit/s	Up to 10 Gbit/s
Impedenza a 100 MHz, $\pm 5\Omega$	100 $\Omega$
Loop resistance at 20°C	140 $\Omega$ /km
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
NVP %	81

operating capacity	42 pF/m
Ritardo Skew	12 ns/100 m
Segregation class	d
Transfer impedance 1/10/30 MHz	< 6/6/10 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		1,9	100	97	98	95	98	26
4		3,6	100	97	96	93	98	30
10		5,6	100	97	94	91	98	33
100	5e	17,9	100	97	82	79	78	33
250	6	28	100	97	72	69	69	28
500	6 <sub>A</sub>	41	92	89	58	55	56	26
600	7	46	90	87	44	41	45	25
800		52	84	81	32	29	39	23
862		54	83	80	29	26	37	22
1.000		57	80	77	23	20	33	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 / Class F
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	Dimen- sions n x p x [mm (AWG)]	Outer sheath colour	Diametro mm	Diametro esterno della guaina [mm]	Raggio di curvatura [mm]	Dimen- sioni della guaina esterna [mm]	Tasso di CU [kg/ km]	Weight [kg/km]	Tensile load [N]	Fire load [kWh/m]	Number of cables
18291100DK	4	AWG23	CU 7080 4P	Dca- s2,d1,a1	4 x 2 x 0.57 (AWG23)	arancia	0,57	7,2	30		31,1	55	110	0,16	1
18291101DK	4	AWG23	CU 7080 4P	Dca- s1,d2,a1	4 x 2 x 0.57 (AWG23)	arancia	0,57	7,2	30		31,1	55	110	0,16	1
18291102DK	4	AWG23	CU 7080 4P	Dca- s2,d2,a1	4 x 2 x 0.57 (AWG23)	arancia	0,57	7,2	30		31,1	55	110	0,16	1
18291100DL	4	AWG23	CU 7080 4P	Dca- s2,d1,a1	4 x 2 x 0.57 (AWG23)	arancia	0,57	7,2	30		31,1	55	110	0,16	1
18291101DL	4	AWG23	CU 7080 4P	Dca- s1, d2,a1	4 x 2 x 0.57 (AWG23)	arancia	0,57	7,2	30		31,1	55	110	0,16	1
18291200DL	4	AWG23	CU 7080 2x4P	Dca- s2,d1,a1	2 x (4 x 2 x 0.57 (AWG23))	arancia	0,57		30	7.2 x 15.4	62,2	110	220	0,32	2
18291201DL	4	AWG23	CU 7080 2x4P	Dca- s1,d2,a1	2 x (4 x 2 x 0.57 (AWG23))	arancia	0,57		30	7.2 x 15.4	62,2	111	220	0,32	2
18291202DL	4	AWG23	CU 7080 2x4P	Dca- s2,d2,a1	2 x (4 x 2 x 0.57 (AWG23))	arancia	0,57		30	7.2 x 15.4	62,2	110	220	0,32	2

Con riserva di modifiche tecniche

A partire da 2021-03-26 09:26:11