

## CU 7060 4P / 2x4P F8

Data cable, S/FTP, Category 6<sub>A</sub>, AWG23, Euroclass Dca

650 MHz



- 1 Inner conductor: AWG23 Bare copper wire
- 2 PE insulated conductor: 1.3 mm Ø
- 3 Screen (pair): Alu PETP foil
- 4 Overall screen: Tinned braided copper
- 5 Outer sheath: FRNC/LS0H



### Description

Electrically and mechanically superior quality Cat.6A data cable - exceeds the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 and prEN 50288-10-1.

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.

### Application

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 EA applications (500 MHz) in accordance with EN 50173-1 and ISO/IEC 11801.

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

### Construction

Outer sheath material	FRNC/LSZH
Outer sheath colour	orange

### General properties

Installation temperature	0 °C - +50 °C
Operating temperature	-20 °C - +60 °C
Wire colour	white/blue, white/orange, white/green, white/brown, according to IEC 60189 and IEC 60708
Imprint	DATWYLER «cable type» «additional text» «batch number» «meter marks»
Field of application	Indoor

## Electrical properties

Category	Cat.6 <sub>A</sub>
Gbit/s	Up to 10 Gbit/s
Loop resistance at 20 °C	146 Ω/km
Operating capacity	42 pF/m
Impedance at 100 MHz, ±5Ω	100 Ω
NVP %	80
Delay skew	4 ns/100 m
Shielding	shielded
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
Transfer impedance 1/10/30 MHz	< 9/12/30 mΩ/m
Coupling attenuation	70 dB
Segregation class	c

Frequency [MHz]	Category	Attenuation [dB]	NEXT [dB]	PS-NEXT [dB]	ACR-N [dB]	PS-ACR-N [dB]	ACR-F [dB]	Return Loss [dB]
1		2.1	93	90	91	88	96	26
4		3.8	93	90	89	86	96	28
10		5.9	93	90	87	84	96	30
100	5e		93	90	73	70	74	30
250	6	30	82	79	52	49	61	27
500	6 <sub>A</sub>	43	77	74	34	31	43	25
600		47	75	72	28	25	39	24
650		50	72	69	25	22	32	23

The performance data given are typical measured values.

## Mechanical properties

Solid / Flex	Solid wire
AWG	23
Minimum bending radius (permanently installed)	30 mm
Minimum bending radius (during installation)	65 mm
Tensile strength (2x4P)	190 N
Tensile strength (4P)	95 N

## Standards

Reaction to fire	EN 13501-6
Euroclass	D <sub>ca</sub>
Smoke density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Section 4.3.3 SD
Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Section 4.3.3 SA
Flame propagation	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2, AREI-RGIE Section 4.3.3 F1
Flame spread	IEC 60332-3-24, EN 60332-3-24, AREI-RGIE Section 4.3.3 F2
Cables standard	ISO/IEC 61156-5, EN 50288-10-1
Cat./Class	Cat.6 <sub>A</sub> / Class E <sub>A</sub>
PoE	IEEE 802.3bt Type 4 (100W)

## Versions

Material number	Product	Reaction to fire	Dimensions n x p x [mm (AWG)]	Outer sheath dimensions [mm]	CU rate [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Packing unit	GTIN / EAN
18292400DK	CU 7060 4P	Dca-s2,d1,a1	4 x 2 x 0.55 (AWG23)	6.8	26.4	47.3	0.14	1000 m drum	40393910040500
18292400DL	CU 7060 4P	Dca-s2,d1,a1	4 x 2 x 0.55 (AWG23)	6.8	26.4	47.3	0.14	500 m drum	40393910040494
18292700DL	CU 7060 2x4P	Dca-s2,d1,a1	2 x (4 x 2 x 0.55 (AWG23))	7.1 x 15	52.8	102	0.304	500 m drum	40393910040272

Subject to technical modification

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