

CU 7060 4P Outdoor

Data cable, S/FTP, Category 6_A, AWG23, Euroclass Fca

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: PE black



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 outdoor installation.

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	PE
Outer sheath colour	black

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	Outdoor

Electrical properties

Category	Cat.6 _A
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	< 6/10/20 mΩ/m
Coupling attenuation	75 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 _A	43	77	74	34	31	43	25
600		47	75	72	28	25	39	24

The performance data given are typical measured values.

Mechanical properties

Solid / Flex	Solid wire
AWG	23
Minimum bending radius (permanently installed)	30 mm
Minimal crush resistance / 10cm	1,000 N
Minimum bending radius (during installation)	65 mm
Minimum number of impacts	10

Standards

Reaction to fire	EN 13501-6
Euroclass	F _{ca}
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
Cables standard	ISO/IEC 61156-5, EN 50288-10-1
Cat./Class	Cat.6 _A / Class E _A
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]	Packing unit	GTIN / EAN
19429500FK	CU 7060 4P	Fca	4 x 2 x 0.55 (AWG23)	7.3	26.4	44.9	1000 m drum	40393910024043

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19429500FL	CU 7060 4P	Fca	4 x 2 x 0.55 (AWG23)	7.3	26.4	44.9	500 m drum	40393910024036

Subject to technical modification

As of 2025-03-20 13:50:27