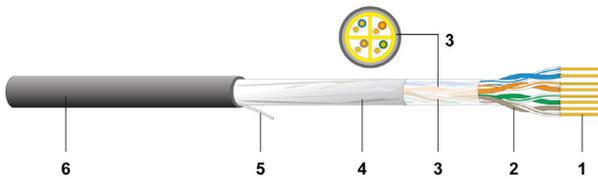


CU 662 4P Outdoor

Data cable, U/UTP, Category 6, AWG23, Euroclass Fca

300 MHz



- 1 Inner conductor: AWG 23 Bare copper wire
- 2 PE insulated conductor: 1.0 mm Ø PE-Foam-Skin
- 3 Stabilising element designed for:
 - robustness
 - quick and easy termination
 - stable electrical performance
- 4 Structural element: diffusion barrier
- 5 Ripcord
- 6 Outer sheath: PE black



Description

Electrically and mechanically advanced quality Cat.6 data cable - fulfils the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 und EN 50288-6-1.

Robust cable design with a very high mechanical stability and reliable electrical performance thanks to the stabilising element.

Enhanced UV protection due to PE outer sheath. Simple, fast and reliable termination thanks to the special cable stripper Abi 62 (Article No. 185640). This tool is applicable for

- removal of outer sheath

- removal of stabilising element from pairs 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 E applications (250 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, white/orange-white, white/green-white, white/brown-white (with length stripes)
Imprint	DATWYLER «cable type» «additional text» «batch number» «meter marks»
Field of application	Outdoor

Electrical properties

Category	Cat.6
Gbit/s	Up to 1 Gbit/s
Loop resistance at 20 °C	155 Ω/km
Operating capacity	50 pF/m
Impedance at 100 MHz, ±5Ω	100 Ω
NVP %	67
Delay skew	20 ns/100 m
Shielding	unshielded
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		1.9	82	79	80	77	90	27
4		3.7	75	72	71	68	80	30
10		5.6	71	68	65	62	71	32
100	5e	17.9	55	52	37	34	42	32
250	6	28	43	40	15	12	35	28
300		32	40	37	8	5	31	28

The performance data given are typical measured values.

Mechanical properties

Solid / Flex	Solid wire
AWG	23
Minimum bending radius (permanently installed)	29 mm
Minimal crush resistance / 10cm	3,000 N
Minimum bending radius (during installation)	58 mm
Minimum number of impacts	30

Standards

Reaction to fire	EN 13501-6
Euroclass	F _{ca}
Smoke density	EN 61034-1/-2, IEC 61034-1/-2, VDE 0482-1034-1/-2
Zero halogen no corrosive gases	EN 60754-1/-2, IEC 60754-1/-2, VDE 0482-754-1/-2
Cables standard	ISO/IEC 61156-5, EN 50288-6-1
Cat./Class	Cat.6 / Class E
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
19421500FK	CU 662 4P	Fca	4 x 2 x 0.55 (AWG23)	7.3	19.5	54.3	1000 m drum	40393910025460
19421500FL	CU 662 4P	Fca	4 x 2 x 0.55 (AWG23)	7.3	19.5	54.3	500 m drum	40393910025453