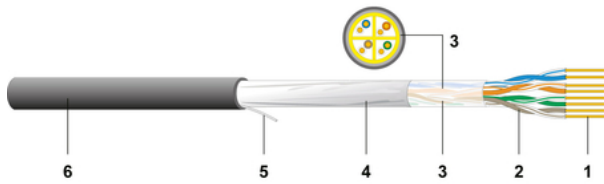


# CU 662 4P Outdoor

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



- 1 Inner conductor:** AWG 24 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+.

## ELECTRICAL CHARACTERISTICS

Category	1	4	10	5e	6	300
Frequency [MHz]				100	250	
Attenuation [dB/100m]	1.9	3.7	5.6	17.9	28	32
NEXT [dB]	82	75	71	55	43	40
PS NEXT [dB]	79	72	68	52	40	37
ACR-N [dB]	80	71	65	37	15	8
PS-ACR-N [dB]	77	68	62	34	12	5
ACR-F [dB]	90	80	71	42	35	31
PS-ACR-F [dB]	87	77	68	39	32	28
Return loss [dB]	27	30	32	32	28	28

These performance data are typical measured values.

## ELECTRICAL PROPERTIES

Loop resistance at 20° C:	155 Ω/km
Mutual capacitance:	50 pF/m
Impedance at 100 MHz:	100 Ω ±5 Ω
Delay Skew:	35 ns/100 m
NVP:	67 %

## SUPPORTED APPLICATIONS

10Base-T, 100Base-T, 1000Base-T, Fieldbus

## MECHANICAL PROPERTIES

Minimum bending radius during installation:	58 mm
Minimum bending radius permanently installed:	29 mm
Tensile strength (4P):	110 N
Minimal crush resistance / 10cm:	3,000 N
Minimum number of impacts:	30
Installation temperature:	0 °C - +50 °C
Operating temperature:	-20 °C - +60 °C

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### STANDARDS

Reaction to fire (Euroclasses)	EN 13501-6: F <sub>ca</sub>
Wire colour	white-blue/bluewhite-orange/orangewhite-green/greenwhite-brown/brown(with longitudinal stripes)in accordance with IEC 60189 and IEC 60708
Imprint	DATWYLER «cable type» «additional text» «batch number» «meter marks»
Zero halogen, no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2
Smoke density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2
Oil resistance	09_Oil-.jpg
PoE	IEEE 802.3af
Segregation class	c
Cat./Class	Cat 6 / Class E - limit values as specified by IEC 61156-5 and EN 50288-6-1 guaranteed

### VERSIONS

Article No.	DoP	Product	Reaction to fire (Euroclasses)	Dimensions n x p x [mm (AWG)]	Sheath	Sheath colour	Sheath Ø [mm]	Weight [kg/km]	Cu rate [kg/km]	PU
19421500FK		CU 662 4P	Fca	4 x 2 x 0.55 (AWG23)	PE	black	7.3	54	19.5	1000 m drum
19421500FL		CU 662 4P	Fca	4 x 2 x 0.55 (AWG23)	PE	black	7.3	54	19.5	500 m drum