

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	Indoor

Electrical properties

Category	Cat.6 _A
Gbit/s	Up to 10 Gbit/s
Loop resistance at 20 °C	136 Ω/km
Operating capacity	55 pF/m
Impedance at 100 MHz, ±5Ω	100 Ω
NVP %	66
Delay skew	30 ns/100 m
Shielding	unshielded
TCL	50 dB
Segregation class	b

Frequency [MHz]	Category	Attenuation [dB]	NEXT [dB]	PS-NEXT [dB]	ACR-N [dB]	PS-ACR-N [dB]	ACR-F [dB]	Return Loss [dB]
1		1.6	85	82	83	80	86	29
4		3.3	80	77	76	73	78	32
10		5.5	73	70	67	64	67	32
100	5e	17.8	59	56	41	38	47	30
250	6	29	52	49	23	20	37	25
300		32	50	47	18	15	33	25
500	6 _A	42	45	37	3	-4	19	22

The performance data given are typical measured values.

Mechanical properties

Solid / Flex	Solid wire
AWG	23
Minimum bending radius (permanently installed)	33 mm
Minimal crush resistance / 10cm	1,000 N
Minimum bending radius (during installation)	66 mm
Minimum number of impacts	3

Standards

Reaction to fire	EN 13501-6
Euroclass	B2 _{ca}
Smoke density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2 (FRNC/LS0H)
Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2
Flame propagation	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
Cables standard	ISO/IEC 61156-5, EN 50288-11-1
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
19462600BL	CU 692 4P	B2ca-s1a,d1,a1	4 x 2 x 0.57 (AWG23)	7.9	21.64	61.2	500 m drum	40393910021387

