

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.8.2
Gbit/s	Up to 40 Gbit/s (max. length 30m)
Loop resistance at 20 °C	119 Ω/km
Operating capacity	43 pF/m
Impedance at 100 MHz, ±5Ω	100 Ω
NVP %	75
Delay skew	17 ns/100 m
Shielding	shielded
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
Transfer impedance 1/10/30 MHz	< 8/10/20 mΩ/m
Coupling attenuation	85 dB
Segregation class	d

Frequency [MHz]	Category	Attenuation [dB] (30M)	NEXT [dB]	PS-NEXT [dB]	ACR-N [dB]	PS-ACR-N [dB]	ACR-F [dB]	Return Loss [dB]
1		0.54	103	100	101	98	109	26
4		0.95	103	100	100	97	107	30
10		1.5	103	100	98	95	105	33
100	5e	5.0	103	100	86	83	93	33
250	6	8.0	103	100	76	73	83	28
500	6 _A	11.3	98	95	58	55	70	26
600	7	12.5	96	93	54	51	65	25
862		15.6	92	89	39	36	57	24
1,000	7 _A	16.3	90	87	34	31	54	23
1,600		21.0	85	82	23	20	46	20
2,000		23.5	85	82	23	20	44	18

The performance data given are typical measured values.

Mechanical properties

Solid / Flex	Solid wire
AWG	22
Minimum bending radius (permanently installed)	39 mm
Minimal crush resistance / 10cm	1,000 N
Minimum bending radius (during installation)	78 mm
Minimum number of impacts	3

Standards

Reaction to fire	EN 13501-6
Euroclass	D _{ca}
Smoke density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2
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
Flame spread	IEC 60332-3-24, EN 60332-3-24
Cables standard	ISO/IEC 61156-9, EN 50288-12-1, ISO/IEC 61156-5
Cat./Class	Cat.8.2 / Class I/II
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
19204400DK	CU 8202 4P	Dca-s2,d1,a1	4 x 2 x 0.62 (AWG22)	8.2	36	69.4	0.21	1000 m drum	40393910419849