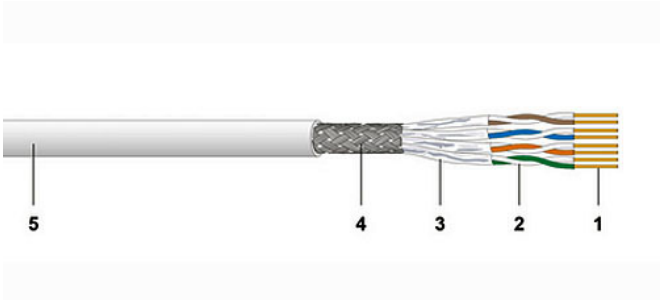
CU 7000 4P Home

Data cable, S/FTP, Category 7, AWG26, Euroclass Dca

1000 MHz



1 Inner conductor: AWG26 bare copper wire
2 Wire: 1.0mm ∅
3 Screen (pair): Alu PETP foil
4 Overall screen: Tinned braided copper
5 Outer sheath: FRNC/LS0H white RAL 9010

Also available in PullQuick box

Description

Electrically and mechanically high-quality Cat.7 data cable - exceeds the requirementsof ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-4-1 on links up to 60 metres.
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 in-home network cabling and residential premise cabling with maximum link lengths of up to 60 metres.
For the transmission of digital and analogue voice, video and data signals.
Supports Ethernet protocols up to 10GBase-T and all Power over Ethernet applications.
10GBase-T is fully supported when installing up to three CU 7000 4P cables in the same M20 pipe and four CU 7000 4P cables in the same M25 pipe (Alien NEXT cancellation due to foil and braid shielding).
Suitable for all ICT network applications up to class F applications (600 MHz) in accordance with EN 50173-1 and ISO/IEC 11801 on links up to 60 m.

General properties

Field of application	Indoor
Wire colour	white/blue, white/orange, white/green, white/brown, according to IEC 60189 and IEC 60708
Installation temperature	0 °C - +50 °C
Operating temperature	-20 °C - +60 °C
Outer sheath colour	white
Outer sheath material	FRNC/LSZH
Imprint	DATWYLER «cable type» «additional text» «batch number» «meter marks»

Electrical properties

Category	Cat.7
Coupling attenuation	85 dB
Delay skew	12 ns/100 m
GBit/s	Up to 10 Gbit/s
Impedance at 100 MHz, ±5Ω	100 Ω
Loop resistance at 20 °C	260 Ω/km
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
NVP %	81
Operating capacity	41 pF/m
Segregation class	d
Shielding	shielded
Transfer impedance 1/10/30 MHz	< 11/10/30/100 mΩ/m

Frequency [MHz]	Category	Attenuation [dB] (60M)	NEXT [dB]	PS-NEXT [dB]	ACR-N [dB]	PS-ACR-N [dB]	ACR-F [dB]	Return Loss [dB]
1		1.5	100	97	98	95	98	26
4		2.8	100	97	97	94	98	30
10		4.2	100	97	95	92	98	33
100	5e	14.0	100	97	86	83	82	33
250	6	22.5	100	97	77	74	73	28
500	6_A	32.0	92	89	60	57	63	26
600	7	35.0	90	87	55	52	60	25
800		41	90	87	49	46	56	23
862		43	85	82	42	39	54	22
1,000		48	80	77	32	29	51	21

The performance data given are typical measured values.

Mechanical properties

Solid / Flex	Solid wire
AWG	26
Minimal crush resistance / 10cm	1,000 N
Minimum bending radius during installation	46 mm
Minimum bending radius permanently installed	23 mm
Minimum number of impacts	3
Tensile strength (4P)	62 N

Standards

Cat./Class	Cat.7 / Class F
PoE	IEEE 802.3at
Reaction to fire (Euroclasses)	EN 13501-6: D_{ca}
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
Smoke density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2
Cables standard	ISO/IEC 61156-5, EN 50288-4-1

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
19199100DP	CU 7000 4P	Dca-s2,d1,a1	4 x 2 x 0.42 (AWG26)	5.6	18	35	0.11	305 m PullQuick box	40393910029031
19199100DK	CU 7000 4P	Dca-s2,d1,a1	4 x 2 x 0.42 (AWG26)	5.6	18	35	0.11	1000 m drum	