

CU 8206 4P flex

Flexible data cable, S/FTP, Category 8.2, AWG26, Euroclass Dca

2000 MHz



- 1 Inner conductor: AWG26, bare copper wire, stranded
- 2 PE insulated conductor: Ø 0.99 mm
- 3 Screen (pair): Alu PETP foil
- 4 Overall screen: Tinned braided copper
- 5 Outer sheath: FRNC/LS0H grey, RAL 7035



Description

Electrically and mechanically superior quality Cat.8.2 patch cord - exceeds the requirements of ISO/IEC 11801, IEC 61156-6, EN 50173-1, EN 50288-4-2 and IEC 61156-10.

Excellent shielding effect due to individually screened pairs and overall copper braid. Compact cable design.

Easy wire identification and termination due to different coloured wires.

Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

Application

Patch cord in patch panels and as equipment connection cable.

For the transmission of digital and analogue voice, video and data signals.

Suitable for all ICT network applications up to 2000 MHz.

Applicable for Power over Ethernet (PoE / PoE+).

Construction

Outer sheath material	FRNC/LSZH
Outer sheath colour	grey

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	Indoor

Electrical properties

Category	Cat.8.2
Gbit/s	Up to 40 Gbit/s
Loop resistance at 20 °C	270 Ω/km
Operating capacity	43 pF/m
Impedance at 100 MHz, ±5Ω	100 Ω
NVP %	78
Delay skew	4 ns/100 m
Shielding	shielded
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
Transfer impedance	10 mΩ/m
Transfer impedance 1/10/30 MHz	10 mΩ/m
Coupling attenuation	85 dB

Frequency [MHz]	Category	Attenuation [dB] (10M)	NEXT [dB]	PS-NEXT [dB]	ACR-N [dB] (10M)	PS-ACR-N [dB] (10M)	ACR-F [dB] (10M)	Return Loss [dB] (10m)
1		0.26	103	100	102	99	100	28
4		0.50	103	100	102	99	100	30
10		0.77	103	100	102	99	100	30
100	5e	2.56	103	100	100	97	100	30
250	6	4.1	95	92	91	88	91	28
500	6 _A	5.9	95	92	89	86	89	26
600	7	6.5	94	91	87	84	87	25
862		7.7	92	89	84	81	84	24
1,000	7 _A	8.5	90	77	81	78	81	23
1,600		10.8	85	82	74	71	74	20
2,000		12.2	80	77	67	64	67	18

The performance data given are typical measured values.

Mechanical properties

Solid / Flex	Stranded wire (flexible)
AWG	26
Minimum bending radius	20 mm
Minimum number of impacts	10
Repeated bending	1000 cycles

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
Cables standard	ISO/IEC 61156-10, EN 50288-12-2
Cat./Class	Cat.8.2 / Class I/II
PoE	IEEE 802.3af

Versions

Material number	Product	Reaction to fire	Dimensions n x p x [mm ² (AWG)]	Outer sheath dimensions [mm]	CU rate [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Packing unit	GTIN / EAN
19206800DK	CU 8206 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.132 (AWG26)	5.8	18.1	36.5	0.11	1000 m drum	40393910028003

Subject to technical modification

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