

# CU 8206 4P flex

Flexible data cable, S/FTP, Category 8.2, AWG26, Euroclass D<sub>ca</sub>



- 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/LSOH grey, RAL 7035



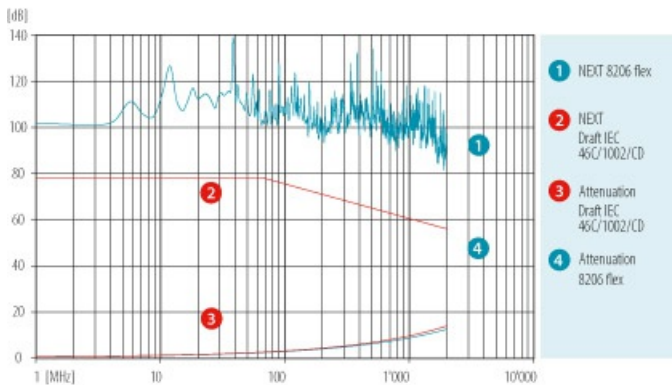
## DESCRIPTION

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+).

## GRAPH



## ELECTRICAL CHARACTERISTICS

Category	1	4	10	5e	6	6 <sub>A</sub>	7	CATV	7 <sub>A</sub>	1600	8.2
Frequency [MHz]	1	4	10	100	250	500	600	862	1000	1600	2000
Attenuation [dB/10m]	0.26	0.50	0.77	2.56	4.1	5.9	6.5	7.7	8.5	10.8	12.2
NEXT [dB]	103	103	103	103	95	95	94	92	90	85	80
PS NEXT [dB]	100	100	100	100	92	92	91	89	77	82	77
ACR-N [dB/10m]	102	102	102	100	91	89	87	84	81	74	67
PS-ACR-N [dB/10m]	99	99	99	97	88	86	84	81	78	71	64
ACR-F [dB/10m]	100	100	100	100	91	89	87	84	81	74	67
PS-ACR-F [dB/10m]	97	97	97	97	88	86	84	81	78	71	64
Return loss [dB/10m]	28	30	30	30	28	26	25	24	23	20	18

These performance data are typical measured values.

## ELECTRICAL PROPERTIES

Loop resistance at 20° C:	270 Ω/km
Mutual capacitance:	43 pF/m
Impedance at 100 MHz:	100 Ω ±5 Ω
Transfer impedance at 1/10/30 MHz:	10 mΩ/m
Coupling attenuation (limit curve of critical state - IEC 61156):	> 85 db
Near end unbalance attenuation LCL:	> 40 dB
Delay skew:	4 ns/100 m
NVP:	78 %


## MECHANICAL PROPERTIES

Bending radius:	> 20 mm
Repeated bending:	> 1000 cycles
Tensile strength:	≤ 56 N
Temperature range	during installation: 0 °C to +50 °C in operation: -20 °C to +60 °C

## STANDARDS

Wire colour	white/bluewhite/orangewhite/greenwhite/brown 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
Flame propagation	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
Smoke density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2
Reaction to fire (Euroclasses)	EN 13501-6: D <sub>ca</sub> -s2,d1,a1
PoE	IEEE 802.3af
EMC	shielded
Cat./Class	Cat.8.2 (IEC 46C/1002/CD, draft)

## VERSIONS

Article No.	DoP Product	Dimensions n x p x [mm <sup>2</sup> (AWG)]	Sheath	Sheath colour	Sheath Ø [mm]	Weight [kg/km]	Cu rate [kg/km]	Fire load [MJ/m]	Fire load [kWh/m]	PU
192068	CU 8206 4P flex	4 x 2 x 0.132 (AWG26)	FRNC/LS0H	grey	5,8	39.6	18.1	0.38	0.11	1000 m drum
19206800DK 	CU 8206 4P flex	4 x 2 x 0.132 (AWG26)	FRNC/LS0H	grey	5,8	39.6	18.1	0.38	0.11	1000 m drum