

CU 8206 4P flex

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



- 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+).

General Properties

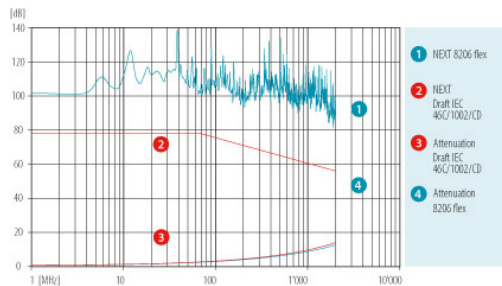
Imprint	DATWYLER «cable type» «additional text» «batch number» «meter marks»
Installation temperature	0 °C - +50 °C
Operating temperature	-20 °C - +60 °C
Wire colour	white - blue/blue, white orange/orange, white green/green, white brown/brown in acc. with IEC 60189 and IEC 60708 (ring marked)

Electrical properties

Category	Cat.8.2
Coupling attenuation	85 dB
Delay Skew	4 ns/100 m
EMC	shielded
Impedance at 100 MHz, $\pm 5\Omega$	100 Ω
Loop resistance at 20°C	270 Ω /km
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
NVP %	78
operating capacity	43 pF/m
Transfer impedance	10 m Ω /m

Transfer impedance 1/10/30 MHz

10 mΩ/m



Frequency [MHz]	Category	NEXT [dB]	PS-NEXT [dB]	ACR-N [dB] (10M)	PS-ACR-N [dB]	PS-ACR-N [dB] (10M)	ACR-F [dB] (10M)
1		103	100	102		99	100
4		103	100	102		99	100
10		103	100	102		99	100
100	5e	103	100			97	100
				100			
250	6	95	92	91		88	91
500	6 _A	95	92	89		86	89
600	7	94	91	87		84	87
862		92	89	84		81	84
1,000	7 _A	90	77	81		78	81
			82				
		85	77				
1,600		80		74	71	71	74
2,000				67		64	67

Mechanical properties

Minimum bending radius	20 mm
Minimum number of impacts	10
Repeated bending	1000 cycles
Solid / Flex	Stranded wire (flexible)
Tensile strength (4P)	56 N

Standards

Cat./Class	Cat.8.2
PoE	IEEE 802.3af
Reaction to fire (Euroclasses)	EN 13501-6
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

Versions

Material number	Product	Reaction To Fire	Outer sheath colour	Diameter mm ²	Outer sheath diameter [mm]	CU rate [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Packing unit
19206800DK	CU 8206 4P Flex	Dca-s2,d1,a1	grey	0.132	5.8	18.1	37	0.11	1000 m drum