

## CU 8203 4P

Data cable, S/FTP, Category 8.2, AWG23, Euroclass B2ca



- 1 Inner conductor: AWG23 Bare copper wire
- 2 PE insulated conductor: 1.6 mm ;
- 3 Screen (pair): Alu PETP foil
- 4 Overall screen: Tinned braided copper
- 5 Outer sheath: FRNC/LSOH Orange RAL 2003



### Description

Electrically and mechanically superior quality Cat.8.2 data cable - exceeds the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-12-1 and IEC 61156-9.

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

Compact cable design.

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

### Applicazione

High-end data cable for data centres.

Developed particularly for 40 GBase-T transmission with maximum channel length of 30 metres in End of Row or Top of Rack (EoR / ToR) applications in data centres.

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+).

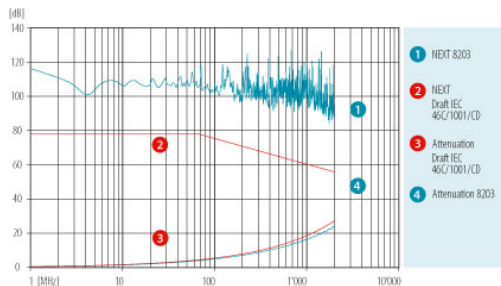
### Proprietà generali

Colore del filo	bianco - blu/blu, bianco arancio/arancione, bianco verde/verde, bianco marrone/marrone in accordo con IEC 60189 e IEC 60708 (contrassegnato da un anello)
Impronta	DATWYLER «cable type» «additional text» «batch number» «meter marks»
Installation temperature	0 °C - +50 °C
Integrità del circuito	No
Operating temperature	-20 °C - +60 °C

### Proprietà elettriche

Attenuazione di accoppiamento	75 dB
Category	Cat.8.2
EMC	shielded
Gbit/s	Up to 40 Gbit/s
Impedenza a 100 MHz, $\pm 5\Omega$	100 $\Omega$
Loop resistance at 20°C	135 $\Omega$ /km
Near end unbalance attenuation LCL at 1-600 MHz	20 dB

NVP %	75
operating capacity	44 pF/m
Ritardo Skew	10 ns/100 m
Segregation class	d
Transfer impedance 1/10/30 MHz	< 8/10/40 mΩ/m



Frequenza [MHz]	Categoria	Attenuazione [dB] (30M)	NEXT [dB]	PS-NEXT [dB]	ACR-N [dB]	PS-ACR-N [dB]	ACR-F [dB]	Perdita di ritorno [dB]
1		0,54	103	100	102	99	100	28
4		0,95	103	100	102	99	100	30
10		1,5	103	100	101	99	100	30
100	5e	5,0	103	100	98	95	95	30
250	6	8,0	97	94	89	86	92	28
500	6 <sub>A</sub>	11,3	95	92	84	81	89	26
600	7	12,5	94	91	80	77	87	25
862		15,6	92	89	77	74	80	24
1.000	7 <sub>A</sub>	16,3	90	77	74	71	78	23
1.600		21,0	85	82	64		72	20
2.000		23,5	80	77	56	53	70	18

## Proprietà meccaniche

Solid / Flex	stabile
AWG	23
Curvatura minima durante l'installazione	64 mm
Minimum bending radius permanently installed	32 mm
Minimum number of impacts	3
Resistenza alla trazione (4P)	110 N
Resistenza minima allo schiacciamento / 10cm	1.000 N

## Standards

Cat./Class	Cat.8.2 / Class I/II
PoE	IEEE 802.3bt Type 4 (100W)
Reaction to fire (Euroclasses)	EN 13501-6: B2 <sub>ca</sub>
Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2
Flame Propagation	EN 60332-1-2, IEC 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

## Versions

Numero Materiale	Numero di coppie	AWG	Product	Reaction To Fire	Dimensions n x p x (mm) (AWG)	Outer sheath colour	Diametro mm	Diametro esterno della guaina [mm]	Tasso di CU [kg/km]	Weight [kg\ km]	Fire load [kWh/m]	Number of cables
19200900BK	4	AWG23	CU 8203 4P	B2ca-s1a,d1,a1	4 x 2 x 0.59 (AWG23)	arancia	0,59	8,1	33,2	67	0,18	1

Con riserva di modifiche tecniche

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