

CU 7702 4P / 2x4P F8

Data cable, S/FTP, Category 7_A, AWG22, Euroclass B2ca



- 1 Inner conductor: AWG22 Bare copper wire
- 2 PE insulated conductor: 1.5 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.7A data cable - exceeds the requirements of ISO/IEC 11801, IEC 61156-5, IEC 61156-7, EN 50173-1 and prEN 50288-9-1.

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

Easy identification of wires thanks to longitudinal colour markings.

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

Applicazione

Data cable for structured premises cabling.

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

Suitable for all ICT network applications up to class F_A applications (1000 MHz) in accordance with EN 50173-1 and ISO/IEC 11801 and for the transmission of broadband signals (such as cable TV) in accordance with IEC 15018.

Due to the increased wire section eminently suited for Power over Ethernet (PoE) / PoE+.

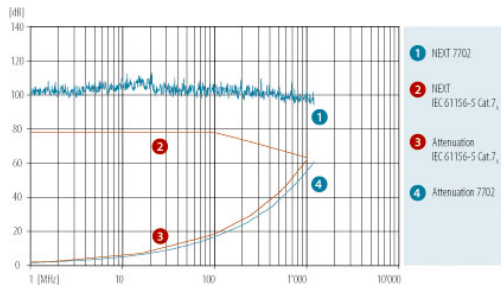
Proprietà generali

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	85 dB
Category	Cat.7 _A
EMC	shielded
Gbit/s	Up to 10 Gbit/s
Impedenza a 100 MHz, ±5Ω	100 Ω
Loop resistance at 20°C	116 Ω/km
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
NVP %	76

operating capacity	43 pF/m
Ritardo Skew	15 ns/100 m
Segregation class	d
Transfer impedance 1/10/30 MHz	< 5/5/8 mΩ/m



Frequenza [MHz]	Categoria	Attenuazione [dB]	NEXT [dB]	PS-NEXT [dB]	ACR-N [dB]	PS-ACR-N [dB]	ACR-F [dB]	Perdita di ritorno [dB]
1		1,7	103	100	101	98	109	26
4		3,4	103	100	100	97	107	30
10		5,3	103	100	98	95	105	33
100	5e	16,9	103	100	86	83	93	33
250	6	27	103	100	76	73	83	28
500	6 _A	40	98	95	58	55	70	26
600	7	42	96	93	54	51	65	25
862		53	92	89	39	36	57	24
1.000	7 _A	56	90	87	34	31	54	23
1.200		62	85	82	23	20	46	21

Proprietà meccaniche

Solid / Flex	stabile
AWG	22
Curvatura minima durante l'installazione	64 mm
Minimum bending radius permanently installed	32 mm
Minimum number of impacts	10
Resistenza alla trazione (2x4P)	240 N
Resistenza alla trazione (4P)	120 N
Resistenza minima allo schiacciamento / 10cm	1.000 N

Standards

Cat./Class	Cat.7 _A / Class F _A
PoE	IEEE 802.3bt Type 4 (100W)
Reaction to fire (Euroclasses)	EN 13501-6: B2 _{ca}
Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA
Flame Propagation	AREI-RGIE Art.104-F1, EN 60332-1-2, IEC 60332-1-2, VDE 0482-332-1-2
Flame Spread	IEC 60332-3-24, EN 60332-3-24, AREI-RGIE Art.104-F2
Smoke Density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD

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]	Dimensioni della guaina esterna [mm]	Tasso di CU [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Number of cables
17739002BL	4	AWG22	CU 7702 2x4P	B2ca-s1b,d1,a1	2 x (4 x 2 x 0.62 (AWG22))	arancia	0,62		7.6 x 16.2	69,8	125	0,36	2
17740000BK	4	AWG22	CU 7702 4P	B2ca-s1a,d1,a1	4 x 2 x 0.62 (AWG22)	arancia	0,62	7,6		34,9	62	0,18	1

Con riserva di modifiche tecniche

A partire da 2021-03-26 09:26:23