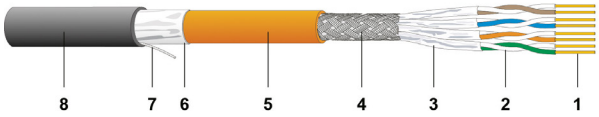
CU 7002 4P GG-PE

Data cable, S/FTP, Category 7, AWG23, Euroclass Fca

1000 MHz



1 Inner conductor: AWG23 Bare copper wire
2 PE insulated conductor: 1.4 mm Ø
3 Screen (pair): Alu PETP foil
4 Overall screen: Tinned braided copper
5 Sheath: FRNC/LS0H orange RAL 2003
6 Rodent protection: with glass rovings
7 Ripcord
8 Outer sheath: PE black

Descrizione

Applicable for outdoor installation due to rodent protection and PE outer cable sheath with higher UV resistance.
Robust cable design with a high mechanical stability.
Electrically and mechanically superior quality Cat.7 data cable - exceeds the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-4-1.
Excellent shielding effect due to individually screened pairs and overall copper braid.
Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

Applicazione

Data cable for structured premises and outdoor cabling.
With rodent protection and increased UV protection (due to PE outer sheath).
For the transmission of digital and analogue voice, video and data signals.
Suitable for all ICT network applications up to class F applications (600 MHz) in accordance with EN 50173-1 and ISO/IEC 11801.
Applicable for Power over Ethernet (PoE) / PoE+ / 4PPoE up to 100W.

Costruzione

Materiale della guaina esterna	FRNC/LSZH-GG-PE
Colore della guaina esterna	nero

Proprietà generali

Installation temperature	0 °C - +50 °C
Operating temperature	-20 °C - +60 °C
Colore del filo	bianco/blu, bianco/arancio, bianco/verde, bianco/marrone, in conformità alle norme IEC 60189 e IEC 60708
Impronta	DATWYLER «cable type» «additional text» «batch number» «meter marks»
Campo di applicazione	All'aperto

Proprietà elettriche

Categoria	Cat.7
GBit/s	A 10 Gbit/s
Loop resistance at 20 °C	140 Ω/km
Operating capacity	42 pF/m
Impedenza a 100 MHz, ±5Ω	100 Ω
NVP %	81
Ritardo Skew	12 ns/100 m
Schermatura	schermati
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
Attenuazione di accoppiamento	85 dB
Segregation class	d

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		1,9	100	97	98	95	98	26
4		3,6	100	97	96	93	98	30
10		5,6	100	97	94	91	98	33
100	5e	17,9	100	97	82	79	78	33
250	6	28	100	97	72	69	69	28
500	6_A	41	92	89	58	55	56	26
600	7	46	90	87	44	41	45	25
800		52	84	81	32	29	39	23
862		54	83	80	29	26	37	22
1.000		57	80	77	23	20	33	20

I dati sulle prestazioni indicati sono valori tipici misurati.

Proprietà meccaniche

Solid / Flex	stabile
AWG	23
Raggio di curvatura minimo (installato in modo permanente)	46 mm
Curvatura minima (durante l'installazione)	92 mm
Minimum number of impacts	20

Standards

Reaction to fire	EN 13501-6
Euroclass	F_{ca}
Densità del fumo	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Section 4.3.3 SD
Zero alogeni nessun gas corrosivo	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Section 4.3.3 SA
Standard dei cavi	ISO/IEC 61156-5, EN 50288-4-1
Cat./Class	Cat.7 / Class F
PoE	IEEE 802.3bt Type 4 (100W)

Nota

The cables are designed for occasional contact with water, but are not suitable for permanent installation or total immersion in water. The cable jacket is designed to resist water, but should be avoided coming into direct contact with water for a long time.

To prevent water from entering, the cable jacket must remain intact. It is necessary to prevent water from entering the ends of the cable. This also requires a suitable connection system.

When laying directly underground, care must be taken to ensure that no point mechanical loads occur, as the mechanical structure is unsuitable for laying in a gravel bed, for example.

Laying in protective shells made of concrete (cable duct blocks) or steel or in plastic pipes is recommended. Where the cable comes into direct contact with the ground, embedding in a sand bed is recommended.

Versioni

Codice art.	Prodotto	Reaction to fire	Dimensions n x p x [mm (AWG)]	Dimensioni della guaina esterna [mm]	Tasso di CU [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Unità di imbal-laggio	GTIN / EAN
19192300FZ	CU 7002 4P	Fca	4 x 2 x 0.57 (AWG23)	11.4	31,1	129,5	0,648	al metro	40393910029420