

CU 7702 4P flex Industrial PUR

Industrial flexible data cable, S/FTP, Category 7, AWG26, Euroclass Eca



- 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: PUR orange RAL 2003



Description

Electrically and mechanically superior quality Cat.7 patch cord with PUR sheath - exceeds the requirements of ISO/IEC 11801, IEC 61156-6, EN 50173-1 and EN 50288-4-2.

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

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.

Compatible with Datwyler IP67 RJ45 plug.

Applicazione

As patch cord in patch panels and as equipment connection cable - designed for use in industrial areas.

Oil resistant.

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

For flexible workplace cabling with long patch cords.

Especially suitable for CP (Consolidation Point) applications.

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+.

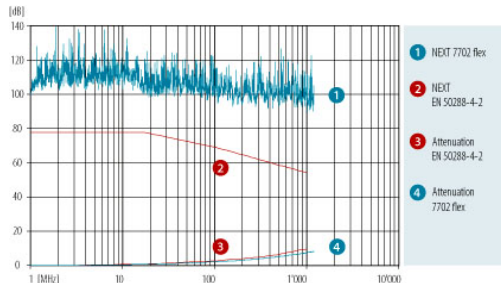
Proprietà generali

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	-30 °C - +60 °C

Proprietà elettriche

Attenuazione di accoppiamento	70 dB
Category	Cat.7
EMC	shielded
Gbit/s	Up to 10 Gbit/s
Impedenza a 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
Ritardo Skew	4 ns/100 m
Segregation class	c
Transfer impedance	10 mΩ/m



Frequenza	Category [1 MHz]	NEXT [1 MHz]	PS-NEXT [1 MHz]	ACR-N [1 MHz] 10M	PS-ACR-F [1 MHz] 10M	Return Loss [1 MHz]
1		100	97	100	97 100	26
4		100	97	99	96 99	32
10		100	97	99	96 99	35
100	5e	100	97	97	94 97	30
250	6	95	92	91	88 95	27
500	6 _A	92	89	86	83 91	24
600	7	90	87	83	80 88	23

Proprietà meccaniche

Solid / Flex	Filo a trefoli (flessibile)
AWG	26
Minimum bending radius	34 mm
Minimum number of impacts	10
Repeated bending	1000 cycles
Resistenza alla trazione (4P)	56 N

Standards

Cat./Class	Cat.7 / Class F
Oil resistance	IEC 60811-404, EN 60811-2-1
PoE	IEEE 802.3af
Reaction to fire (Euroclasses)	EN 13501-6: E _{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

Versions

Numero Materiale	Numero di coppie	AWG	Product	Reaction To Fire	Outer sheath colour	Diametro mm ²	Diametro esterno della guaina [mm]	Tasso di CU [kg\km]	Weight [kg\km]	Fire load [kWh\m]	Number of cables
18768800EK	4	AWG26	CU 7702 4P Flex PUR	Eca	arancia	0.132	6,4	18,1	42	0,15	1
18768800EZ	4	AWG26	CU 7702 4P Flex PUR	Eca	arancia	0.132	6,4	18,1	42	0,15	1

