

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



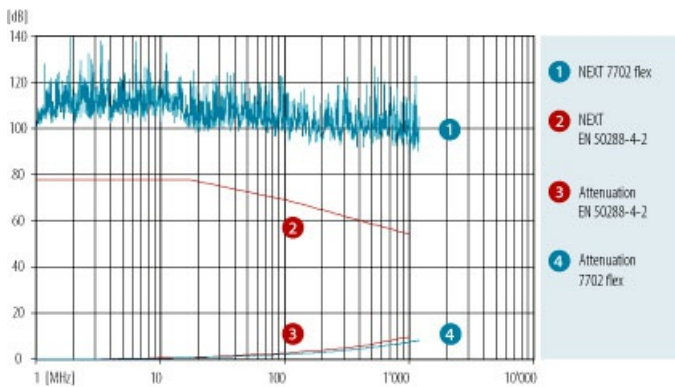
DESCRIPTION

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.

APPLICATION

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+.

GRAPH



ELECTRICAL CHARACTERISTICS

Category	1	4	10	5e	6	6A	7
Frequency [MHz]	1	4	10	100	250	500	600
Attenuation [dB/10m]	0.26	0.5	0.79	2.67	4.3	6.2	6.71
NEXT [dB]	100	100	100	100	95	92	90
PS NEXT [dB]	97	97	97	97	92	89	87
ACR-N [dB/10m]	100	99	99	97	91	86	83
PS-ACR-N [dB/10m]	97	96	96	94	88	83	80
ACR-F [dB/10m]	100	99	99	97	95	91	88
PS-ACR-F [dB/10m]	97	96	96	94	92	88	85
Return loss [dB]	26	32	35	30	27	24	23

These performance data are typical measured values.

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ELECTRICAL PROPERTIES

Category:	Cat.7
Coupling attenuation:	70 dB
Delay Skew:	4 ns/100 m
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 1/10/30 MHz:	

MECHANICAL PROPERTIES

Minimum bending radius:	34 mm
Repeated bending:	
Tensile strength (4P):	56 N
Minimum number of impacts:	10
Installation temperature:	0 °C - +50 °C
Operating temperature:	-30 °C - +60 °C

STANDARDS

Reaction to fire (Euroclass)	EN 13501-6: E _{ca}
Wire colour	white/bluered/orangeblack/greenyellow/brown in accordance with IEC 60189 and IEC 60708
Imprint	DATWYLER «cable type» «additional text» «batch number» «meter marks»
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	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2, AREI-RGIE Art.104-F1
Oil resistance	EN 60811-2-1 (IEC 60811-404)
PoE	IEEE 802.3af
EMC	shielded
Segregation class	c
Cat./Class	Cat 7 / Class F - limit values as specified by IEC 61156-6 and EN 50288-4-2 guaranteed

VERSIONS

Article No.	DoP	Product	Reaction to fire (Euroclass)	Dimensions n x p x [mm ² (AWG)]	Sheath	Sheath colour	Sheath Ø [mm]	Weight [kg/km]	Cu rate [kg/km]	Fire load [MJ/m]	Fire load [kWh/m]	PU
18768800EK		CU 7702 4P Flex PUR	Eca	4 x 2 x 0.132 (AWG26)	PUR	orange	6.4	42	18.1	0.54 MJ/m	0.15	1000 m drum
18768800EZ		CU 7702 4P Flex PUR	Eca	4 x 2 x 0.132 (AWG26)	PUR	orange	6.4	42	18.1	0.54 MJ/m	0.15	by the metre