

CU 5502 4P flex

Flexible data cable, S/UTP, Category 5e, AWG26, Euroclass Dca

300 MHz



- 1 Inner conductor: AWG26, bare copper wire, stranded
- 2 PE insulated conductor: Ø 0.98 mm
- 3 Polyester foil
- 4 Overall screen: tinned braided copper
- 5 Outer sheath: FRNC/LSZH, various colours



Descrizione

Electrically and mechanically superior quality Cat.5e patch cord - exceeds the requirements of ISO/IEC 11801, IEC 61156-6, EN 50173-1 and EN 50288-2-2.

Construction optimised for fast and reliable terminations.

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.

Optimised for RJ45 connecting systems.

Differently coloured sheaths facilitate clearly arranged installations and visual differentiation of services.

Applicazione

As patch cord in patch panels and as equipment connection cable.

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

Suitable for all ICT network applications up to class D applications (100 MHz) in accordance with EN 50173-1 and ISO/IEC 11801.

Applicable for Power over Ethernet (PoE) / PoE+.

Costruzione

Materiale della guaina esterna	FRNC/LSZH
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Proprietà generali

Installation temperature	0 °C - +50 °C
Operating temperature	-20 °C - +60 °C
Colore del filo	bianco/blu, rosso/arancio, nero/verde, giallo/marrone, secondo IEC 60189 e IEC 60708
Impronta	DATWYLER «cable type» «additional text» «batch number» «meter marks»
Campo di applicazione	Interno

Proprietà elettriche

Minimum insulation resistance	5.000 MΩ x km
Categoria	Cat.5e
Gbit/s	A 1 Gbit/s
Loop resistance at 20 °C	220 Ω/km
Operating capacity	45 pF/m
Impedenza a 100 MHz, ±5Ω	100 Ω
NVP %	75
Ritardo Skew	15 ns/100 m
Schermatura	schermati
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
Transfer impedance 1/10/30 MHz	< 20/9/25 mΩ/m
Attenuazione di accoppiamento	55 dB
Segregation class	c

Frequenza [MHz]	Categoria	Attenuation [dB] (10M)	NEXT [dB]	PS-NEXT [dB]	ACR-N [dB] (10M)	PS-ACR-N [dB] (10M)	ACR-F [dB] (10M)	Perdita di ritorno [dB]
1		0,2	75	72	74	71	80	24
4		0,5	70	67	69	66	78	30
10		0,8	65	62	64	61	75	30
100	5e	3,0	42	39	39	36	60	28
250		5,2	35	32	30	27	53	23
300		5,8	33	30	27	24	50	23

I dati sulle prestazioni indicati sono valori tipici misurati.

Proprietà meccaniche

Solid / Flex	Filo a trefoli (flessibile)
AWG	26
Minimum bending radius	20 mm
Minimum number of impacts	10
Repeated bending	1000 cicli

Standards

Reaction to fire	EN 13501-6
Euroclass	D _{ca}
Densità del fumo	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Section 4.3.3 - applies to FRNC/LS0H
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
Propagazione della fiamma	AREI-RGIE Section 4.3.3 F1, EN 60332-1-2, IEC 60332-1-2, VDE 0482-332-1-2
Standard dei cavi	ISO/IEC 61156-6, EN 50288-2-2
Cat./Class	Cat.5e / Class D
PoE	IEEE 802.3af

Versioni

Codice art.	Prodotto	Reaction to fire	Dimensions n x p x [mm ² (AWG)]	Colore della guaina esterna	Dimensioni della guaina esterna [mm]	Tasso di CU [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Unità di imballaggio	GTIN / EAN
18110002DK	CU 5502 4P Flex	Dca-s2,d2,a1	4 x 2 x 0.16 (AWG26)	arancia	5.1	24	33,7	0,09	1000 m tamburo	40393910042511
18110302DK	CU 5502 4P Flex	Dca-s2,d2,a1	4 x 2 x 0.16 (AWG26)	giallo	5.1	24	33,6	0,09	1000 m tamburo	40393910042375
18110102DK	CU 5502 4P Flex	Dca-s2,d2,a1	4 x 2 x 0.16 (AWG26)	grigio	5.1	24	33,7	0,09	1000 m tamburo	40393910042467
18110202DK	CU 5502 4P Flex	Dca-s2,d2,a1	4 x 2 x 0.16 (AWG26)	verde	5.1	24	33,7	0,09	1000 m tamburo	40393910042412
18110402DK	CU 5502 4P Flex	Dca-s2,d2,a1	4 x 2 x 0.16 (AWG26)	rosso	5.1	24	33,6	0,09	1000 m tamburo	40393910042337
18110502DK	CU 5502 4P Flex	Dca-s2,d2,a1	4 x 2 x 0.16 (AWG26)	blu	5.1	24	33,7	0,09	1000 m tamburo	40393910042290
18110602DK	CU 5502 4P Flex	Dca-s2,d2,a1	4 x 2 x 0.16 (AWG26)	nero	5.1	24	33,7	0,09	1000 m tamburo	40393910042252
18110702DK	CU 5502 4P Flex	Dca-s2,d2,a1	4 x 2 x 0.16 (AWG26)	porpora	5.1	24	33,7	0,09	1000 m tamburo	40393910042214
18110802DK	CU 5502 4P Flex	Dca-s2,d2,a1	4 x 2 x 0.16 (AWG26)	bianco	5.1	24	33,7	0,09	1000 m tamburo	40393910042177

Con riserva di modifiche tecniche

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