

CU 5502 4P flex

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



- 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: FR/PVC, various colours



Description

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+.

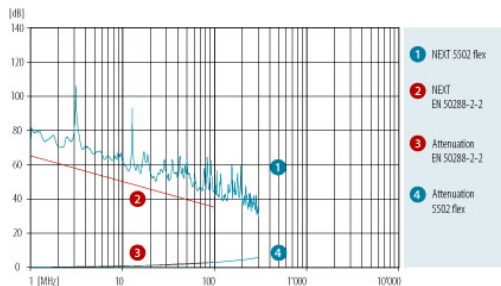
Proprietà generali

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	55 dB
Category	Cat.5e
EMC	shielded
Gbit/s	Up to 1 Gbit/s
Impedenza a 100 MHz, $\pm 5\Omega$	100 Ω
Loop resistance at 20°C	220 Ω /km
Near end unbalance attenuation LCL at 1-600 MHz	40 dB

NVP %	75
operating capacity	45 pF/m
Ritardo Skew	15 ns/100 m
Segregation class	c
Transfer impedance 1/10/30 MHz	< 20/9/25 mΩ/m



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

Proprietà meccaniche

Solid / Flex	Filo a trefoli (flessibile)
AWG	26
Minimum bending radius	20 mm
Minimum number of impacts	10
Repeated bending	1000 cycles
Resistenza alla trazione (4P)	63 N
Resistenza minima allo schiacciamento / 10cm	1.000 N

Standards

Cat./Class	Cat.5e / Class D
PoE	IEEE 802.3af
Reaction to fire (Euroclasses)	EN 13501-6: E _{ca}
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
17959500EK	4	AWG26	CU 5502 4P Flex	Eca	grigio	0.16	5,1	23,5	33	0,11	1
17951300EK	4	AWG26	CU 5502 4P Flex	Eca	verde	0.16	5,1	23,5	34	0,11	1
17951400EK	4	AWG26	CU 5502 4P Flex	Eca	giallo	0.16	5,1	23,5	34	0,11	1
17951500EK	4	AWG26	CU 5502 4P Flex	Eca	rosso	0.16	5,1	23,5	34	0,11	1
17951600EK	4	AWG26	CU 5502 4P Flex	Eca	blu	0.16	5,1	23,5	34	0,11	1
17951900EK	4	AWG26	CU 5502 4P Flex	Eca	bianco	0.16	5,1	23,5	34	0,11	1
17951700EK	4	AWG26	CU 5502 4P Flex	Eca	nera	0.16	5,1	23,5	34	0,11	1

