

CU 6552 4P / 2x4P F8

Data cable, F/FTP, Category 6_A, AWG 23, Euroclass B2ca



- 1 Inner conductor: AWG23 Bare copper wire
- 2 PE insulated conductor: 1.3 mm Ø
- 3 Screen (pair): Alu PETP foil
- 4 Drain wire: Tinned copper wire
- 5 Overall screen: Alu PETP foil
- 6 Outer sheath: FRNC/LS0H orange RAL 2003



Description

Electrically and mechanically improved quality Cat.6A data cable - fulfils the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 and prEN 50288-10-1.

Excellent shielding effect due to individually screened pairs and overall foil screen.

Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

Applicazione

Data cable for structured premises cabling.

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

Suitable for all ICT network applications up to class EA applications (500 MHz) in accordance with EN 50173-1 and ISO/IEC 11801.

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

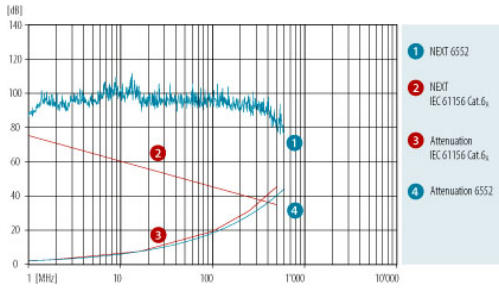
Proprietà generali

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	70 dB
Category	Cat.6 _A
EMC	shielded
Gbit/s	Up to 10 Gbit/s
Impedenza a 100 MHz, ±5Ω	100 Ω
Loop resistance at 20°C	150 Ω/km
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
NVP %	79
operating capacity	42 pF/m

Ritardo Skew	5 ns/100 m
Segregation class	c
Transfer impedance 1/10/30 MHz	< 50/100/200 mΩ/m



Frequenza [MHz]	Categoria	Attenuazione [dB]	NEXT [dB]	PS-NEXT [dB]	ACR-N [dB]	PS-ACR-N [dB]	ACR-F [dB]	Perdita di ritardo [dB]
1		2,1	93	90	91	88	96	26
4		3,8	93	90	89	86	96	28
10		5,9	93	90	87	84	96	30
100	5e	19	93	90	73	70	74	30
250	6	30	83	80	53	50	56	27
500	6 _A	43	75	72	32	29	33	21

Proprietà meccaniche

Solid / Flex	stabile
AWG	23
Curvatura minima durante l'installazione	56 mm
Minimum bending radius permanently installed	28 mm
Minimum number of impacts	10
Resistenza alla trazione (2x4P)	190 N
Resistenza alla trazione (4P)	95 N
Resistenza minima allo schiacciamento / 10cm	1.000 N

Standards

Cat./Class	Cat.6 _A / Class E _A
PoE	IEEE 802.3bt Type 4 (100W)
Reaction to fire (Euroclasses)	EN 13501-6: B2 _{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
Flame Spread	IEC 60332-3-24, EN 60332-3-24, AREI-RGIE Art.104-F2
Smoke Density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD

Versions

Numero Materiale	Numero di coppie	AWG	Product	Reaction To Fire	Dimensions n x p x [mm (AWG)]	Outer sheath colour	Diametro mm	Diametro esterno della guaina [mm]	Dimensioni della guaina esterna [mm]	Tasso di CU [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Number of cables
19145400BK	4	AWG23	CU 6552 4P	B2ca-s1a,d1,a1	4 x 2 x 0.55 (AWG23)	arancia	0,55	7		20,0	50	0,14	1
19145600BL	4	AWG23	CU 6552 2x4P	B2ca-s1,d1,a1	2 x (4 x 2 x 0.55 (AWG23))	arancia	0,55		7.0 x 14.3	40,0	98	0,28	2

