

CU SPE 1P

Data cable, S/FTP, 600MHz, AWG26/7, Euroclass E_{ca}

600 MHz



- 1 Inner conductor: AWG26/7, stranded copper wires
- 2 PE insulated conductor: Ø 1.15 mm
- 3 Screen (pair): Alu PETP foil
- 4 Overall screen: Tinned braided copper
- 5 Outer sheath: FRNC/LSOH orange RAL 2003



Descrizione

Electrically and mechanically high-quality 1-pair cable for Single Pair Ethernet (SPE) application and for frequencies up to 600 MHz. Complies and exceeds the requirements of ISO/IEC 11801-1 Amd 1 "General Requirements", ISO/IEC 11801-3 Amd 1 "Industrial Premises", ISO/IEC 11801-6 Amd 1 "Distributed Building Services", TR 11801-9906 "one pair channel" and IEC 61156-11 "Symmetrical single pair cables with transmission characteristics up to 600 MHz".

Excellent shielding effectiveness due to individually screened pair and overall copper braid.

Compatible with all current Single Pair Ethernet connecting hardware in accordance with IEC 63171 series.

Applicazione

Flexible data cable with stranded conductor suitable for patch cords and equipment cords in a Single Pair Ethernet environment.

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

Suitable for IP based 2-wire bus applications with conductor wire size of AWG 22.

Applicable for Power over Data Line (PoDL) and for 1-pair PoE.

Proprietà generali

Campo di applicazione	Single pair Ethernet
Colore del filo	1P: white/blue
Impronta	«batch number»
Installation temperature	0 °C - +50 °C
Operating temperature	-20 °C - +60 °C
Materiale della guaina esterna	FRNC/LSZH

Proprietà elettriche

Attenuazione di accoppiamento	70 dB
Categoria	Single pair Ethernet
Impedenza a 100 MHz, $\pm 5\Omega$	100 Ω
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
NVP %	78
operating capacity	42 pF/m
Schermatura	schermati
Segregation class	d
Transfer impedance	10 m Ω /m

Frequenza [MHz]	Attenuazione [dB]	Perdita di ritorno [dB]
1	0,26	25
4	0,5	27
10	0,79	30
100	2,67	25
250	4,3	25
500	6,2	24
600	6,71	23

I dati sulle prestazioni indicati sono valori tipici misurati.

Proprietà meccaniche

AWG	26
Massima resistenza alla trazione	14 N
Minimum bending radius permanently installed	28 mm
Repeated bending	56 mm
Solid / Flex	Filo a trefoli (flessibile)

Standards

Cat./Class	Single pair Ethernet SPE and IEC 61156-11 guaranteed
PoDL (PoE)	IEEE 802.3bu
Reaction to fire (Euroclasses)	EN 13501-6: D _{ca}
Zero alogeni nessun gas corrosivo	IEC 60754-1/-2, EN 60754-1/-2
Propagazione della fiamma	EN 60332-1-2, IEC 60332-1-2
Densità del fumo	IEC 61034-1/-2, EN 61034-1/-2
Standard dei cavi	ISO/IEC 61156-11, EN 50288-12-1

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]
19466300EK	CU SPE 1P flex	Eca	1 x 2 x 0.132 (AWG26)	grigio	3.5	9,5	18	0,05