CU SPE 1P flex

Data cable, S/FTP, 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/LSZH

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 61156-12 "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 26/7.
Applicable for Power over Data Line (PoDL) and for 1-pair PoE.

Costruzione

Materiale della guaina esterna	FRNC/LSZH

Proprietà generali

Installation temperature	0 °C - +50 °C
Operating temperature	-20 °C - +70 °C
Colore del filo	bianco/blu
Impronta	DATWYLER «cable type» «additional text» «batch number» «meter marks»
Campo di applicazione	Single Pair Ethernet

Proprietà elettriche

Categoria	Single pair Ethernet
Loop resistance at 20 °C	270 Ω/km
Operating capacity	42 pF/m
Impedenza a 100 MHz, ±5Ω	100 Ω
NVP %	78
Schermatura	schermati
Near end unbalance attenuation LCL at 1-600 MHz	40 dB
Transfer impedance	10 mΩ/m
Attenuazione di accoppiamento	70 dB
Segregation class	d

Frequenza [MHz]	Attenuation [dB] (10M)	Perdita di ritorno [dB]
1	0,26	25
4	0,5	27
10	0,79	30
100	2,5	25
250	3,9	25
500	5,6	24
600	6,0	23

I dati sulle prestazioni indicati sono valori tipici misurati.

Proprietà meccaniche

Solid / Flex	Filo a trefoli (flessibile)
AWG	26
Raggio di curvatura minimo (installato in modo permanente)	28 mm
Massima resistenza alla trazione	14 N
Repeated bending	56 mm

Standards

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

Versioni

Codice art.	Prodotto	Reaction to fire	Dimensions n x p x [mm² (AWG)]	Colore della guaina esterna	Dimensioni della guaina esterna [mm]	Tasso di CU [kg/km]	Fire load [kWh/m]	Peso [kg]	GTIN / EAN
19466300EK	CU SPE 1P flex	Eca	1 x 2 x 0.132 (AWG26)	grigio	3.5	9,5	0,05	0,02 kg	40393910216776