

CU 7150 4P flex

Data cable, U/UTP, Category 6A, AWG23, Euroclass Dca



- 1 Inner conductor: AWG23 / 0.60 mm, bare copper wire
- 2 PE insulated conductor: 1.1 mm Ø PE
- 3 Pair separator
- 4 Outer sheath: FRNC/LS0H (orange, RAL 2003), FR/PVC (grey RAL 7037)



描述

Electrically and mechanically high-quality Cat.6A data cable - fulfils the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-11-1. Robust cable design with reliable electrical performance thanks to stabilising element. Provides a large amount of spare capacity at the NEXT and Alien NEXT limit values due to cable construction with a pair separator (cross) and improved sheath design. Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

应用

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+.

电气参数

Category	1	4	10	5e	6	300	6A
Frequency [MHz]	1	4	10	100	250	300	500
Attenuation [dB/100m]	1.6	3.3	5.5	17.8	29	32	42
NEXT [dB]	85	80	73	59	52	50	45
PS NEXT [dB]	82	77	70	56	49	47	37
ACR-N [dB]	83	76	67	41	23	18	1
PS-ACR-N [dB]	80	73	64	38	20	15	-
ACR-F [dB]	86	78	67	47	37	33	19
PS-ACR-F [dB]	83	75	64	45	34	30	16
Return loss [dB]	29	32	32	30	25	25	22

These performance data are typical measured values.

电气特性

Loop resistance at 20° C:	136 Ω/km
Mutual capacitance:	55 pF/m
Mean Characteristic Impedance at 100 MHz:	100 Ω ±5 Ω
TCL:	≥ 50 - 10 x lgf db
Delay Skew:	< 30 ns/100 m
NVP:	67%

机械性能

Bending radius	during draw-in:	≥ 66 mm
	permanently installed:	≥ 33 mm
Tensile strength:		≤ 91 N
Crush resistance:		≤ 1000 N/10 cm
Impact:		≤ 3 impacts
Temperature range	during installation:	0° C to + 50° C
	in operation:	-20° C to + 60° C

标准

防火反应 (欧洲防火等级)	EN 13501-6:Dca-s2,d1,a1
线束颜色码	white - blue/bluewhite - orange/orangewhite - green/greenwhite - brown/brown in accordance with IEC 60189 and IEC 60708 (ring)

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Imprint	marked)
无卤, 燃烧气体无腐蚀性	DATWYLER «cable type» «additional text» «batch number» «meter marks»
火焰蔓延	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2
烟密度	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
PoE	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2 - applies to FRNC/LSOH
Segregation class	IEEE 802.3af
线缆等级	b
	Cat.6A / Class EA

订购信息

产品型号	DoP	产品	尺寸 n x p x [mm (AWG)]	外护套	外护套颜色	外护套 Ø [mm]	重量 [kg/km]	Cu rate [kg/km]	单位
19425800DL		CU 692 4P	4 x 2 x 0.60 (AWG23)	FRNC/LSOH	橙色	8.9	72.2	24.4	500 m drum