CU 7060 4P / 2x4P F8

Data cable, S/FTP, Category 6_A, AWG23, Euroclass Dca

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

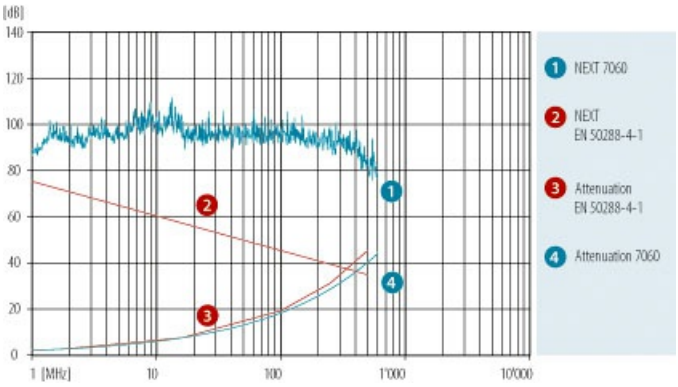
DESCRIPTION

Electrically and mechanically superior quality Cat.6A data cable - exceeds 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 copper braid.
Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

APPLICATION

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+.

GRAPH



ELECTRICAL CHARACTERISTICS

Category				**5e**	**6**	**6_A**	
Frequency [MHz]	1	4	10	100	250	500	600
Attenuation [dB/100m]	2.1	3.8	5.9	19.1	30	43	47
NEXT [dB]	93	93	93	93	82	77	75
PS NEXT [dB]	90	90	90	90	79	74	72
ACR-N [dB]	91	89	87	73	52	34	28
PS-ACR-N [dB]	88	86	84	70	49	31	25
ACR-F [dB]	96	96	96	74	61	43	39
PS-ACR-F [dB]	93	93	93	71	58	40	36
Return loss [dB]	26	28	30	30	27	25	24

These performance data are typical measured values.

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ELECTRICAL PROPERTIES

Loop resistance at 20° C:	146 Ω/km
Mutual capacitance:	42 pF/m
Impedance at 100 MHz:	100 Ω ±5 Ω
Transfer impedance at 1/10/30 MHz:	< 6/10/20 mΩ/m
Coupling attenuation (limit curve of critical state - IEC 61156):	> 75 dB
Near end unbalance attenuation LCL at 1-600 MHz :	> 40 dB
Delay Skew:	4 ns/100 m
NVP:	80 %

SUPPORTED APPLICATIONS

10Base-T, 100Base-T, 1000Base-T, 2.5GBase-T, 5GBase-T, 10GBase-T, Fieldbus

MECHANICAL PROPERTIES

		CU 7060 4P	CU 7060 2x4P F8
Bending radius	during draw-in:	≥ 65 mm	≥ 65 mm
	permanently installed:	≥ 30 mm	≥ 30 mm
Tensile strength:		≤ 95 N	≥ 190 N
Crush resistance:		≥ 1000 N/10 cm	
Impact:		≥ 10 impacts	
Temperature range	during installation:	0° C to + 50° C	
	in operation:	-20° C to + 60° C	

STANDARDS

Reaction to fire (Euroclasses)	EN 13501-6:Dca-s2,d1,a1
Wire colour	white/bluewhite/orangewhite/greenwhite/brownin accordance with IEC 60189 and IEC 60708
Imprint	DATWYLER «cable type» «additional text» «batch number» «meter marks»
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	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2, AREI-RGIE Art.104-F1
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
PoE	IEEE 802.3at
EMC	shielded
Segregation class	c
Cat./Class	Cat 6_A / Class E_A - limit values as specified by IEC 61156-5 and EN 50288-10-1 guaranteed

VERSIONS

Article No.	DoP	Product	Reaction to fire (Euroclasses)	Dimensions n x p x [mm (AWG)]	Sheath	Sheath colour	Sheath Ø [mm]	Weight [kg/km]	Cu rate [kg/km]	Bending radius [mm]	Tensile load [N]	Crush resistance short term [N]	Fire load [MJ/m]	Fire load [kWh/m]	PU
18292400DK		CU 7060 4P	Dca-s2,d1,a1	4 x 2 x 0.55 (AWG23)	FRNC/LS0H	orange	7.1	52	26.4	25	100 N	500 N	0.55 MJ/m	0.152	1000 m drum
18292400DL		CU 7060 4P	Dca-s2,d1,a1	4 x 2 x 0.55 (AWG23)	FRNC/LS0H	orange	7.1	52	26.4	25	100 N	500 N	0.55 MJ/m	0.152	500 m drum
18292700DL		CU 7060 2x4P	Dca-s2,d1,a1	2 x (4 x 2 x 0.55 (AWG23))	FRNC/LS0H	orange		104	52.8				1.1 MJ/m	0.304	500 m drum