

CU 602 4P flex

Flexible data cable, U/UTP, Category 6, AWG24, Euroclass Dca



- 1 Inner conductor:** AWG24, bare copper wire, stranded
- 2 PE insulated conductor:** Ø 0.99 mm
- 3 Outer sheath:** FRNC/LSOH, various colours



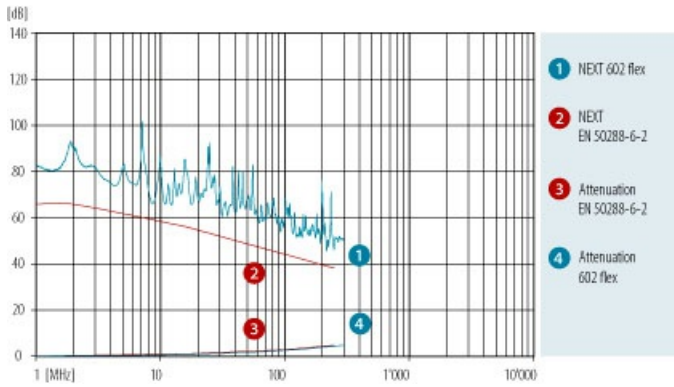
DESCRIPTION

Electrically and mechanically superior quality Cat.6 patch cable - exceeds the requirements of ISO/IEC 11801, IEC 61156-6, EN 50173-1 and EN 50288-6-2. Construction optimised for fast and reliable terminations. Easy wire identification and termination due to different coloured wires. Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801. Optimised for RJ45 connecting systems. Differently coloured sheaths facilitate clearly arranged installations and visual differentiation of services.

APPLICATION

As patch cord in patch panels and equipment connection cable. For the transmission of digital and analogue voice, video and data signals. Suitable for all ICT network applications up to class E applications (250 MHz) in accordance with EN 50173-1 and ISO/IEC 11801. Applicable for Power over Ethernet (PoE) / PoE+.

GRAPH



ELECTRICAL CHARACTERISTICS

Category	1	4	10	5e	6	300
Frequency [MHz]				100	250	
Attenuation [dB/10m]	0.3	0.6	0.9	3.0	5.0	5.5
NEXT [dB]	69	68	62	47	41	40
PS NEXT [dB]	66	65	59	44	38	37
ACR-N [dB/10m]	68	67	61	44	36	34
PS-ACR-N [dB/10m]	65	64	58	41	33	31
ACR-F [dB/10m]	75	69	67	54	48	48
PS-ACR-F [dB/10m]	72	66	64	51	45	45
Return loss [dB]	24	30	30	28	23	23

These performance data are typical measured values.

CU 602 4P flex

Flexible data cable, U/UTP, Category 6, AWG24, Euroclass Dca



ELECTRICAL PROPERTIES

Category:	Cat.6
Delay Skew:	18 ns/100 m
Impedance at 100 MHz, $\pm 5\Omega$:	100 Ω
Loop resistance at 20°C:	180 Ω /km
NVP %:	67
operating capacity:	52 pF/m
TCL:	50 dB

MECHANICAL PROPERTIES

Minimum bending radius:	20 mm
Repeated bending:	
Tensile strength (4P):	72 N
Minimum number of impacts:	10
Installation temperature:	0 °C - +50 °C
Operating temperature:	-20 °C - +60 °C

STANDARDS

Reaction to fire (Euroclasses)	EN 13501-6: D _{ca}
Wire colour	white - blue/bluewhite - orange/orangewhite - green/greenwhite - brown/brown in accordance with IEC 60189 and IEC 60708 (ring marked)
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
Smoke density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD - applies to FRNC/LS0H
PoE	IEEE 802.3af
Segregation class	b
Cat./Class	Cat 6 / Class E - limit values as specified by IEC 61156-6 and EN 50288-6-2 guaranteed

VERSIONS

Article No.	DoP	Product	Reaction to fire (Euroclasses)	Dimensions n x p x [mm ² (AWG)]	Sheath	Sheath colour	Sheath Ø [mm]	Weight [kg/km]	Cu rate [kg/km]	Fire load [MJ/m]	Fire load [kWh/m]	PU
18763100DL		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	green	5.3	33	17.5	0.40 MJ/m	0.11	500 m drum
18763100DK		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	violet	5.3	33	17.5	0.40 MJ/m	0.11	1000 m drum
18277200DK		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	grey	5.3	33	17.5	0.40 MJ/m	0.11	1000 m drum
18277200DL		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	grey	5.3	33	17.5	0.40 MJ/m	0.11	500 m drum
18766700DK		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	black	5.3	33	17.5	0.40 MJ/m	0.11	1000 m drum
18766700DL		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	black	5.3	33	17.5	0.40 MJ/m	0.11	500 m drum
18766500DK		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	white	5.3	33	17.5	0.40 MJ/m	0.11	1000 m drum
18766500DL		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	white	5.3	33	17.5	0.40 MJ/m	0.11	500 m drum
18766600DK		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	yellow	5.3	33	17.5	0.40 MJ/m	0.11	1000 m drum
18766600DL		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	yellow	5.3	33	17.5	0.40 MJ/m	0.11	500 m drum
18284500DK		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	blue	5.3	33	17.5	0.44 MJ/m	0.11	1000 m drum
18284500DL		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	blue	5.3	33	17.5	0.40 MJ/m	0.11	500 m drum
18763000DK		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	red	5.3	33	17.5	0.40 MJ/m	0.11	1000 m drum
18763000DL		CU 602 4P Flex	Dca-s2,d1,a1	4 x 2 x 0.22 (AWG24)	FRNC/LS0H	red	5.3	33	17.5	0.40 MJ/m	0.11	500 m drum