

CU 602 4P flex Eca

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



- 1 Inner conductor: AWG24, bare copper wire, stranded
- 2 PE insulated conductor: Ø 0.99 mm
- 3 Outer sheath: FR/PVC, grey, RAL 7035



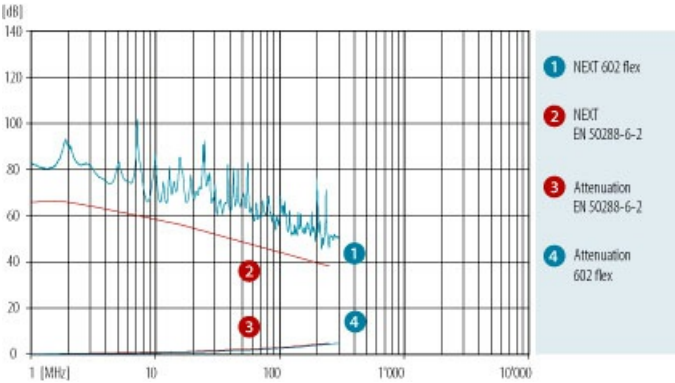
DESCRIPTION

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.

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	
Frequency [MHz]				100	250	300
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.

ELECTRICAL PROPERTIES

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

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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: E _{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»
Flame propagation	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2, AREI-RGIE Art.104-F1
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)	Sheath	Sheath colour	Sheath Ø [mm]	Weight [kg/km]	PU
18277100EK		CU 602 4P Flex	Eca	PVC	grey	5.3	32	1000 m drum