

CU 602 4P flex

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



- 1 Inner conductor:** AWG24 Bare copper wire
- 2 PE insulated conductor:** 0.99 mm Ø PE
- 3 Outer sheath:** FR/PVC grey RAL 7035, FRNC/LS0H grey



DESCRIPTION

Electrically and mechanically high-quality Cat.6 patch cord - 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+.

ELECTRICAL CHARACTERISTICS

Category				5e	6	
Frequency [MHz]	1	4	10	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.

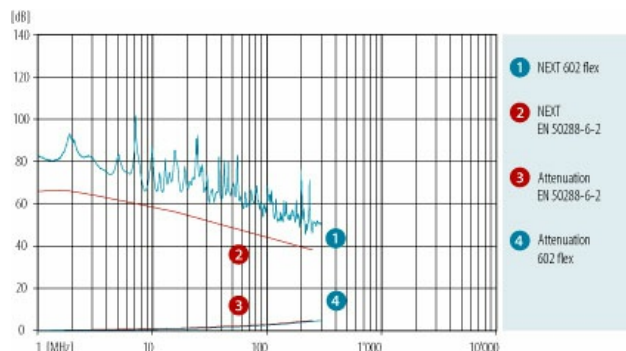
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ELECTRICAL PROPERTIES

Loop resistance at 20° C:	180 Ω/km
Mutual capacitance:	52 pF/m
Impedance at 100 MHz:	100 Ω ±5 Ω
TCL:	≥ 50 db - 10 x lgf
Delay Skew:	18 ns/100 m
NVP:	67 %



MECHANICAL PROPERTIES

Bending radius:		≥ 20 mm
Repeated bending:		≥ 1000 cycles
Tensile strength:		≤ 72 N
Temperature range	during installation:	0° C to + 50° C
	in operation:	-20° C to + 60° C

STANDARDS

Wire colour	white - blue/blue white - orange/orange white - green/green white - 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 50267-2-1/-2-2, VDE 0482-267-2-1/-2-2, AREI-RGIE Art.104-SA - applies to FRNC/LSOH
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/LSOH
PoE	IEEE 802.3af
Cat./Class	Cat 6 / Class E - limit values as specified by IEC 61156-5 and EN 50288-5-1 guaranteed

VERSIONS

Article No.	Product	Dimension n x k [mm²(AWG)]	Sheath colour	Sheath	Sheath Ø [mm]	Weight [kg/km]	Cu rate [kg/km]	Fire load [kWh/m]	Fire load [MJ/m]	PU
182771	CU 602 4P flex	4 x 2 x 0.22 (AWG24)	grey	FR/PVC	5.1	28.1	17.5	0.14	0.49	1000 m drum
182772	CU 602 4P flex	4 x 2 x 0.22 (AWG24)	grey	FRNC/LSOH	5.1	27.9	17.5	0.11	0.40	1000 m drum
187667	CU 602 4P flex	4 x 2 x 0.22 (AWG24)	black	FRNC/LSOH	5.1	27.9	17.5	0.11	0.40	1000 m drum
187665	CU 602 4P flex	4 x 2 x 0.22 (AWG24)	white	FRNC/LSOH	5.1	27.9	17.5	0.11	0.40	1000 m drum

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Article No.	Product	Dimension n x k [mm ² (AWG)]	Sheath colour	Sheath	Sheath Ø [mm]	Weight [kg/km]	Cu rate [kg/km]	Fire load [kWh/m]	Fire load [MJ/m]	PU
187666	CU 602 4P flex	4 x 2 x 0.22 (AWG24)	yellow	FRNC/LS0H	5.1	27.9	17.5	0.11	0.40	1000 m drum
182845	CU 602 4P flex	4 x 2 x 0.22 (AWG24)	blue	FRNC/LS0H	5.1	27.9	17.5	0.11	0.40	1000 m drum
187630	CU 602 4P flex	4 x 2 x 0.22 (AWG24)	red	FRNC/LS0H	5.1	27.9	17.5	0.11	0.40	1000 m drum