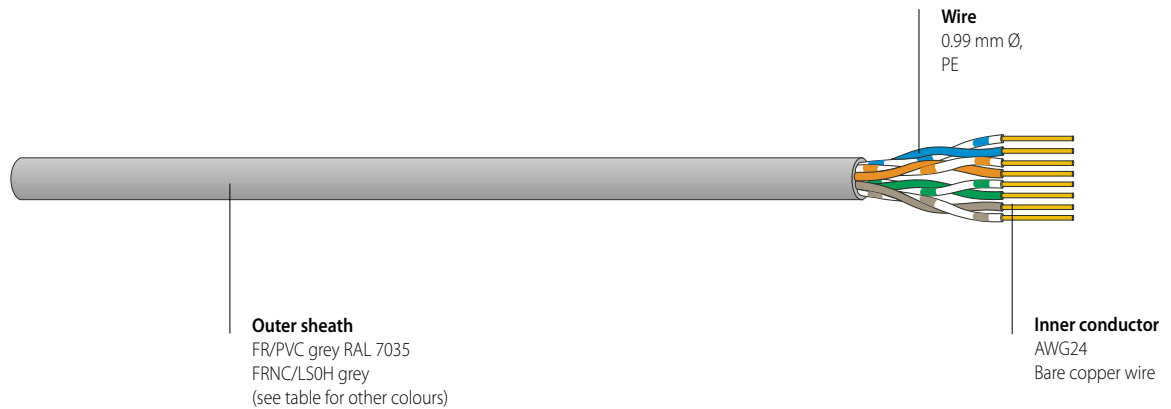


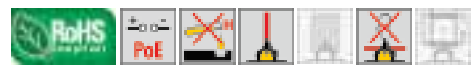
COPPER DATA CABLES, UNSHIELDED

Flexible data cable U/UTP Cat.6 AWG24

CU 602 4P flex



PRODUCT INFORMATION



FEATURES

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.

APPLICATIONS

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+.

VERSIONS

Article No.	Colour	Dimension n x n x mm ² (AWG)	Sheath	Sheath Ø mm	Weight kg/km	Cu weight kg/km	Fire load		PU
							kWh/m	MJ/m	
182771	grey	4 x 2 x 0.22 (AWG24)	FR/PVC ¹⁾	5.1	28.1	17.5	0.14	0.49	1000 m drum
182772	grey	4 x 2 x 0.22 (AWG24)	FRNC/LSOH ²⁾	5.1	27.9	17.5	0.11	0.40	1000 m drum
187667	black	4 x 2 x 0.22 (AWG24)	FRNC/LSOH ²⁾	5.1	27.9	17.5	0.11	0.40	1000 m drum
187665	white	4 x 2 x 0.22 (AWG24)	FRNC/LSOH ²⁾	5.1	27.9	17.5	0.11	0.40	1000 m drum
187666	yellow	4 x 2 x 0.22 (AWG24)	FRNC/LSOH ²⁾	5.1	27.9	17.5	0.11	0.40	1000 m drum
182845	blue	4 x 2 x 0.22 (AWG24)	FRNC/LSOH ²⁾	5.1	27.9	17.5	0.11	0.40	1000 m drum
187630	red	4 x 2 x 0.22 (AWG24)	FRNC/LSOH ²⁾	5.1	27.9	17.5	0.11	0.40	1000 m drum

¹⁾ FR/PVC = Flame Retardant / Polyvinyl Chloride

²⁾ FRNC/LSOH = Flame Retardant Non Corrosive / Low Smoke Zero Halogen

Copper

Fibre Optics

Cabinets & Racks

Data Centre

Wireless

Multimedia

General Information

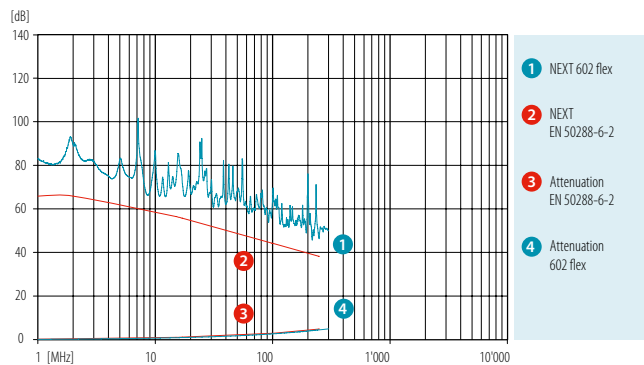
CU 602 flex 4P 0312/e

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.

Loop resistance at 20° C: 180 Ω/km
 Mutual capacitance: 52 pF/m
 Impedance at 100 MHz: 100 Ω ±5 Ω
 Delay Skew: 18 ns/100 m
 NVP: 67 %



MECHANICAL CHARACTERISTICS

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

GENERAL CHARACTERISTICS

Wire colour code: white - blue/blue
 white - orange/orange
 white - green/green
 white - brown/brown (ring marked)
 in accordance with IEC 60189 and IEC 60708

Imprint: DATWYLER «cable type» «additional text» «batch number» «meter marks»

Zero halogen
 non corrosive gases
 Flame propagation
 Smoke density

Power over Ethernet
 Cat./Class: IEC 60754-1/-2, EN 50267-2-1/-2-2
 (VDE 0482-267-2-1/-2-2) - applies to FRNC/LS0H
 IEC 60332-1-2, EN 60332-1-2 (VDE 0482-332-1-2)
 IEC 61034-1/-2, EN 61034-1/-2
 (VDE 0482-1034-1/-2) - applies to FRNC/LS0H
 IEEE 802.3af
 better than Cat.6 / Class E