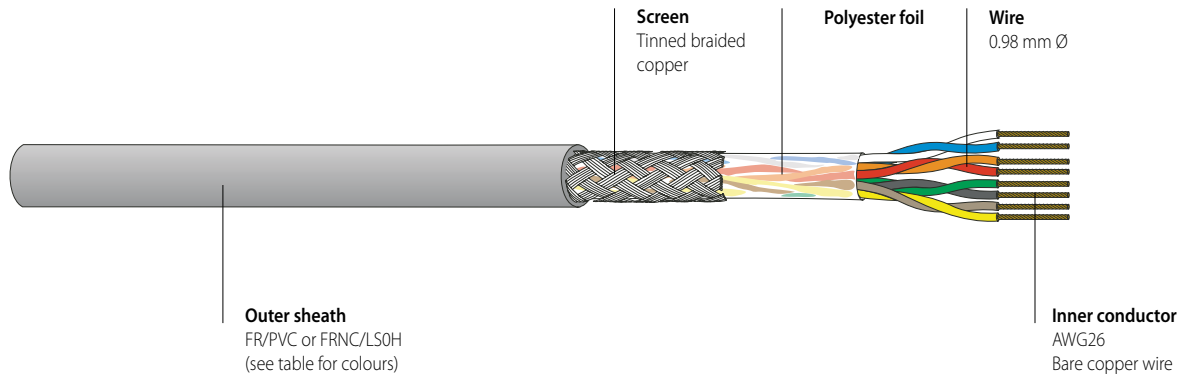
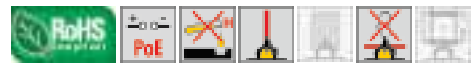


Flexible data cable S/UTP Cat.5e AWG26

CU 5502 4P flex



PRODUCT INFORMATION



FEATURES

Electrically and mechanically high-quality Cat.5e patch cord - exceeds the requirements of ISO/IEC 11801, IEC 61156-6, EN 50173-1 and EN 50288-2-2.
 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 as equipment connection cable.
 For the transmission of digital and analogue voice, video and data signals.
 Suitable for all ICT network applications up to class D applications (100 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 kWh/m MJ/m		PU
179595	grey	4 x 2 x 0.16 (AWG26)	FR/PVC ¹⁾	5.1	34	23.5	0.11	0.38	1000 m drum
179517	black	4 x 2 x 0.16 (AWG26)	FR/PVC ¹⁾	5.1	34	23.5	0.11	0.38	1000 m drum
179513	green	4 x 2 x 0.16 (AWG26)	FR/PVC ¹⁾	5.1	34	23.5	0.11	0.38	1000 m drum
179514	yellow	4 x 2 x 0.16 (AWG26)	FR/PVC ¹⁾	5.1	34	23.5	0.11	0.38	1000 m drum
179515	red	4 x 2 x 0.16 (AWG26)	FR/PVC ¹⁾	5.1	34	23.5	0.11	0.38	1000 m drum
179516	blue	4 x 2 x 0.16 (AWG26)	FR/PVC ¹⁾	5.1	34	23.5	0.11	0.38	1000 m drum
181101	grey	4 x 2 x 0.16 (AWG26)	FRNC/LSOH ²⁾	5.1	35	23.5	0.09	0.31	1000 m drum
181100	orange	4 x 2 x 0.16 (AWG26)	FRNC/LSOH ²⁾	5.1	35	23.5	0.09	0.31	1000 m drum
181106	black	4 x 2 x 0.16 (AWG26)	FRNC/LSOH ²⁾	5.1	35	23.5	0.09	0.31	1000 m drum
181102	green	4 x 2 x 0.16 (AWG26)	FRNC/LSOH ²⁾	5.1	35	23.5	0.09	0.31	1000 m drum
181103	yellow	4 x 2 x 0.16 (AWG26)	FRNC/LSOH ²⁾	5.1	35	23.5	0.09	0.31	1000 m drum
181104	red	4 x 2 x 0.16 (AWG26)	FRNC/LSOH ²⁾	5.1	35	23.5	0.09	0.31	1000 m drum
181105	blue	4 x 2 x 0.16 (AWG26)	FRNC/LSOH ²⁾	5.1	35	23.5	0.09	0.31	1000 m drum
181107	purple	4 x 2 x 0.16 (AWG26)	FRNC/LSOH ²⁾	5.1	35	23.5	0.09	0.31	1000 m drum
181108	white	4 x 2 x 0.16 (AWG26)	FRNC/LSOH ²⁾	5.1	35	23.5	0.09	0.31	1000 m drum

¹⁾ FR/PVC = Flame Retardant / Polyvinyl Chloride

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

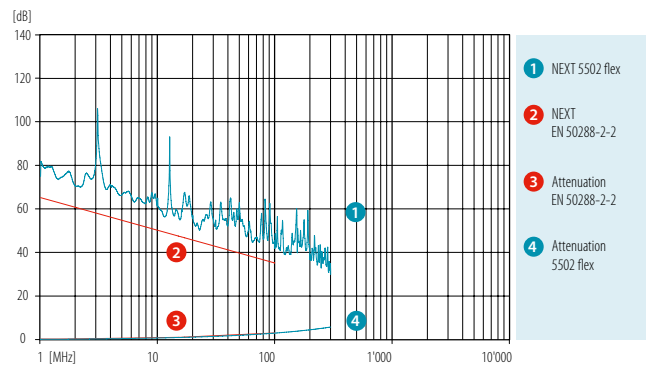
CU 5502 flex 4P 0312/d

ELECTRICAL CHARACTERISTICS

CATEGORY	5e					
Frequency [MHz]	1	4	10	100	250	300
Attenuation [dB/10m]	0.2	0.5	0.8	3.0	5.2	5.8
NEXT [dB]	75	70	65	42	35	33
PS NEXT [dB]	72	67	62	39	32	30
ACR-N [dB/10m]	74	69	64	39	30	27
PS-ACR-N [dB/10m]	71	66	61	36	27	24
ACR-F [dB/10m]	80	78	75	60	53	50
PS-ACR-F [dB/10m]	77	75	72	57	50	47
Return loss [dB]	24	30	30	28	23	23

These performance data are typical measured values.

Loop resistance at 20° C: 220 Ω/km
 Mutual capacitance: 45 pF/m
 Impedance at 100 MHz: 100 Ω ±5 Ω
 Transfer impedance at 1/10/30 MHz: 20/9/25 mΩ/m
 Near end unbalance attenuation LCL: > 40 dB
 Delay Skew: 15 ns/100 m
 NVP: 75 %



MECHANICAL CHARACTERISTICS

Bending radius: ≥ 20 mm
 Repeated bending: ≥ 1000 cycles
 Tensile strength: ≤ 63 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

GENERAL CHARACTERISTICS

Wire colour code: white/blue, red/orange, black/green, yellow/brown

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

Zero halogen
 non corrosive gases
 Flame propagation
 Smoke density
 Power over Ethernet
 EMC
 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
 shielded
 better than Cat.5e / Class D