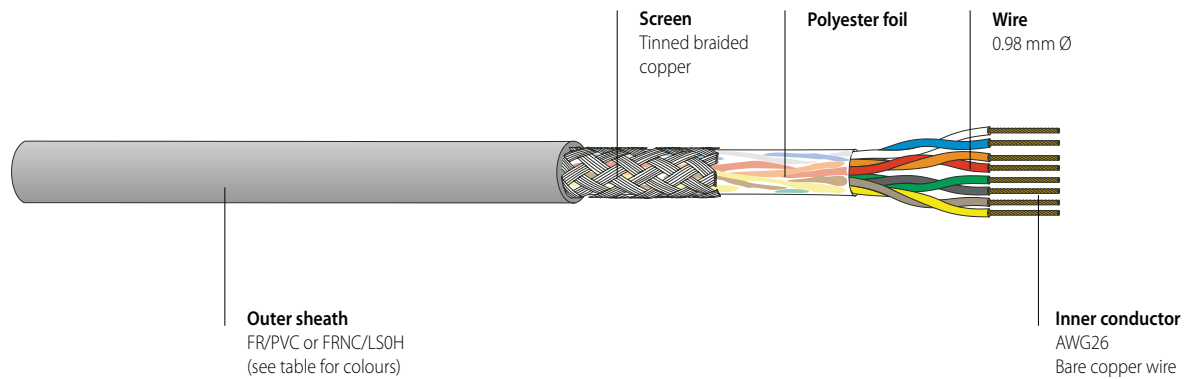


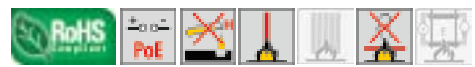
SHIELDED DATA CABLE

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		PU
							kWh/m	MJ/m	
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

¹⁾ FR/PVC = Flame Retardant / Polyvinyl Chloride

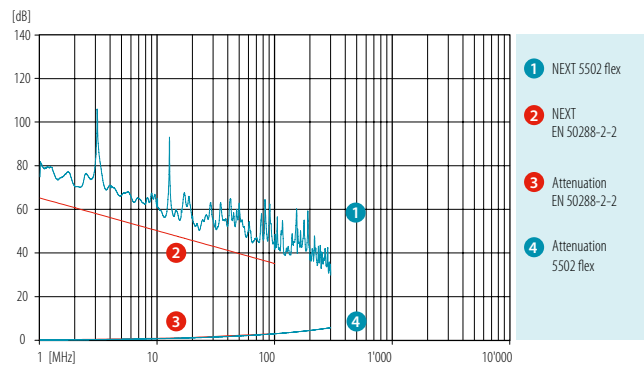
²⁾ FRNC/LSOH = Flame Retardant Non Corrosive / Low Smoke Zero Halogen

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	IEC 60754-1/-2, EN 50267-2-1/-2-2 (VDE 0482-267-2-1/-2-2) - applies to FRNC/LS0H
Flame propagation	IEC 60332-1-2, EN 60332-1-2 (VDE 0482-332-1-2)
Smoke density	IEC 61034-1/-2, EN 61034-1/-2 (VDE 0482-1034-1/-2) - applies to FRNC/LS0H
Power over Ethernet	IEEE 802.3af
EMC	shielded
Cat./Class	better than Cat.5e / Class D