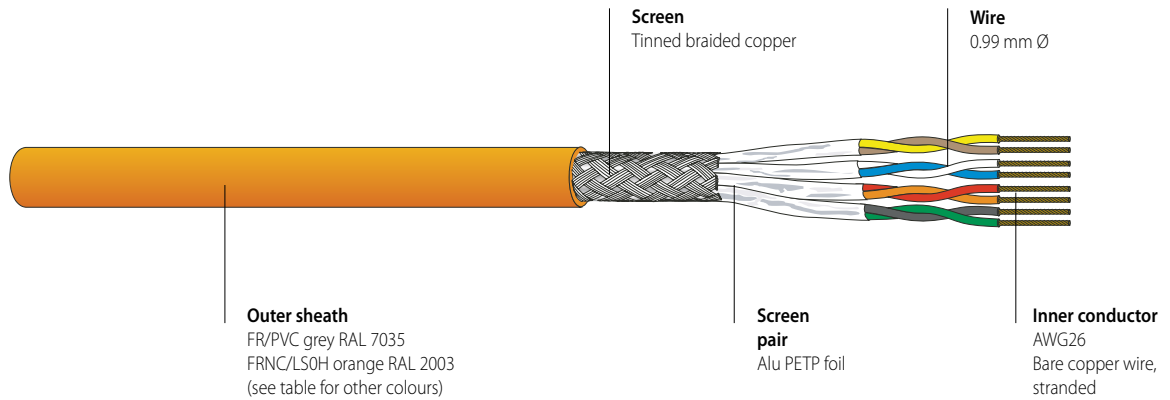
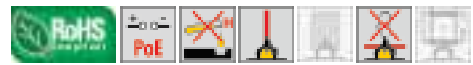


# Flexible data cable S/FTP Cat.7 AWG26

CU 7702 4P flex



## PRODUCT INFORMATION



### FEATURES

Electrically and mechanically excellent Cat.7 patch cord - exceeds the requirements of ISO/IEC 11801, IEC 61156-6, EN 50173-1 and EN 50288-4-2.  
 Excellent shielding effect due to individually screened pairs and overall copper braid.  
 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.  
 For flexible workplace cabling with long patch cords.  
 Especially suitable for CP (Consolidation Point) applications.  
 Suitable for all ICT network applications up to class F applications (600 MHz) in accordance with EN 50173-1 and ISO/IEC 11801.  
 Optimized for the transmission of broadband signals (such as cable TV) in accordance with IEC 15018.  
 Applicable for Power over Ethernet (PoE) / PoE+.

### VERSIONS

Article No.	Colour	Dimension n x n x mm <sup>2</sup> (AWG)	Sheath	Sheath Ø mm	Weight kg/km	Cu weight kg/km	Fire load kWh/m MJ/m		PU
179500	grey	4 x 2 x 0.132 (AWG26)	FR/PVC <sup>1)</sup>	5.8	38.8	18.1	0.13	0.48	1000 m drum
181146	grey	4 x 2 x 0.132 (AWG26)	FRNC/LSOH <sup>2)</sup>	5.8	39.5	18.1	0.11	0.38	1000 m drum
182784	orange	4 x 2 x 0.132 (AWG26)	FRNC/LSOH <sup>2)</sup>	5.8	39.5	18.1	0.11	0.38	1000 m drum
182871	black	4 x 2 x 0.132 (AWG26)	FRNC/LSOH <sup>2)</sup>	5.8	39.5	18.1	0.11	0.38	1000 m drum
182872	green	4 x 2 x 0.132 (AWG26)	FRNC/LSOH <sup>2)</sup>	5.8	39.5	18.1	0.11	0.38	1000 m drum
181243	yellow	4 x 2 x 0.132 (AWG26)	FRNC/LSOH <sup>2)</sup>	5.8	39.5	18.1	0.11	0.38	1000 m drum
182773	red	4 x 2 x 0.132 (AWG26)	FRNC/LSOH <sup>2)</sup>	5.8	39.5	18.1	0.11	0.38	1000 m drum
182873	blue	4 x 2 x 0.132 (AWG26)	FRNC/LSOH <sup>2)</sup>	5.8	39.5	18.1	0.11	0.38	1000 m drum
185655	purple	4 x 2 x 0.132 (AWG26)	FRNC/LSOH <sup>2)</sup>	5.8	39.5	18.1	0.11	0.38	1000 m drum
188440	white	4 x 2 x 0.132 (AWG26)	FRNC/LSOH <sup>2)</sup>	5.8	39.5	18.1	0.11	0.38	1000 m drum

PVC versions available on request

<sup>1)</sup> FR/PVC = Flame Retardant / Polyvinyl Chloride

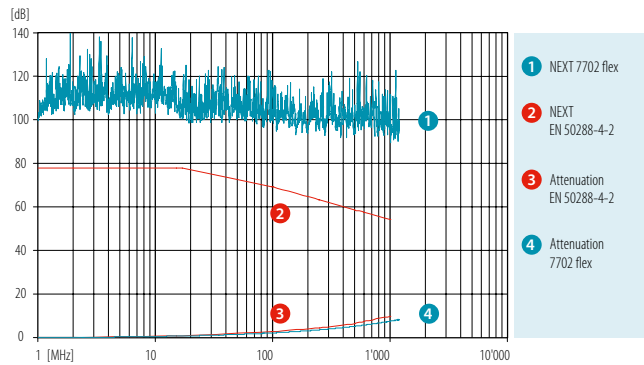
<sup>2)</sup> FRNC/LSOH = Flame Retardant Non Corrosive / Low Smoke Zero Halogen

**ELECTRICAL CHARACTERISTICS**

CATEGORY	5e		6	6 <sub>A</sub>	7		800	862	
Frequency [MHz]	1	4	10	100	250	500	600	800	862
Attenuation [dB/10m]	0.26	0.50	0.79	2.67	4.30	6.20	6.71	7.90	8.30
NEXT [dB]	100	100	100	100	95	92	90	90	90
ACR-N [dB/10m]	97	97	97	97	92	89	87	87	87
PS-ACR-N [dB/10m]	100	99	99	97	91	86	83	82	82
ACR-F [dB/10m]	97	96	96	94	88	83	80	79	79
PS-ACR-F [dB/10m]	100	99	99	97	95	91	88	87	87
PS ELFEXT [dB]	97	96	96	94	92	88	85	84	84
Return loss [dB]	26	32	35	30	27	24	23	21	21

These performance data are typical measured values.

Loop resistance at 20° C: 270 Ω/km  
 Mutual capacitance: 43 pF/m  
 Impedance at 100 MHz: 100 Ω ±5 Ω  
 Transfer impedance: 10 mΩ/m  
 Coupling attenuation (limit curve of critical state - IEC 61156): ≥ 70 dB  
 Near end unbalance attenuation LCL : > 40 dB  
 Delay Skew: 4 ns/100 m  
 NVP: 78 %



**MECHANICAL CHARACTERISTICS**

Bending radius: ≥ 20 mm  
 Repeated bending: ≥ 1000 cycles  
 Tensile strength: ≤ 56 N  
 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, 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: 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

Power over Ethernet, EMC, Cat./Class: IEEE 802.3af shielded better than Cat.7 / Class F