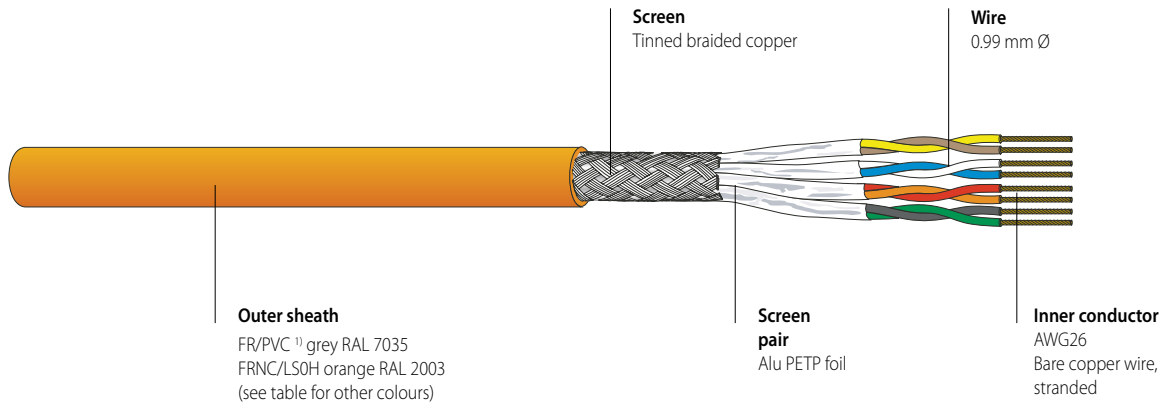
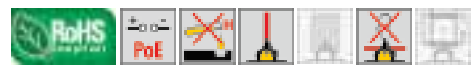


**COPPER DATA CABLES, SHIELDED**

**Flexible data cable S/FTP Cat.7<sub>A</sub> AWG26**  
 CU 7150 4P flex



**PRODUCT INFORMATION**



**FEATURES**

Electrically and mechanically excellent Cat.7<sub>A</sub> patch cord - exceeds the requirements of ISO/IEC 11801, IEC 61156-6, IEC 61156-8, EN 50173-1, EN 50288-4-2 and prEN 50288-9-2.  
 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<sub>A</sub> applications (1000 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
191410	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
on request	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
on request	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
on request	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
on request	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
on request	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
on request	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

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

Copper

Fibre Optics

Cabinets & Racks

Data Centre

Wireless

Multimedia

General Information

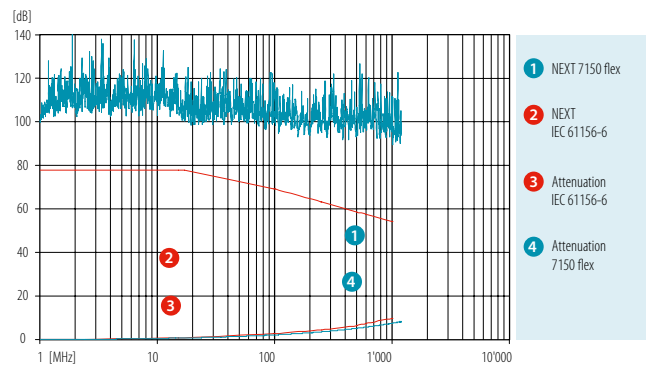
CU 7150 flex 4P 0312/e

ELECTRICAL CHARACTERISTICS

CATEGORY			5e	6	6 <sub>A</sub>	7	CATV	7 <sub>A</sub>		
Frequency [MHz]	1	4	10	100	250	500	600	862	1000	1200
Attenuation [dB/10m]	0.25	0.49	0.76	2.55	4.10	5.90	6.50	7.7	8.50	9.20
NEXT [dB]	100	100	100	100	95	92	90	90	90	90
PS NEXT [dB]	97	97	97	97	92	89	87	87	87	87
ACR-N [dB/10m]	100	99	99	97	91	86	83	82	81	80
PS-ACR-N [dB/10m]	97	96	96	94	88	83	80	79	78	77
ACR-F [dB/10m]	100	99	99	97	95	91	88	87	86	85
PS-ACR-F [dB/10m]	97	96	96	94	92	88	85	84	83	82
Return loss [dB]	26	32	35	30	27	24	23	21	20	19

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, 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  
 Cat.7<sub>A</sub> / Class F<sub>A</sub>