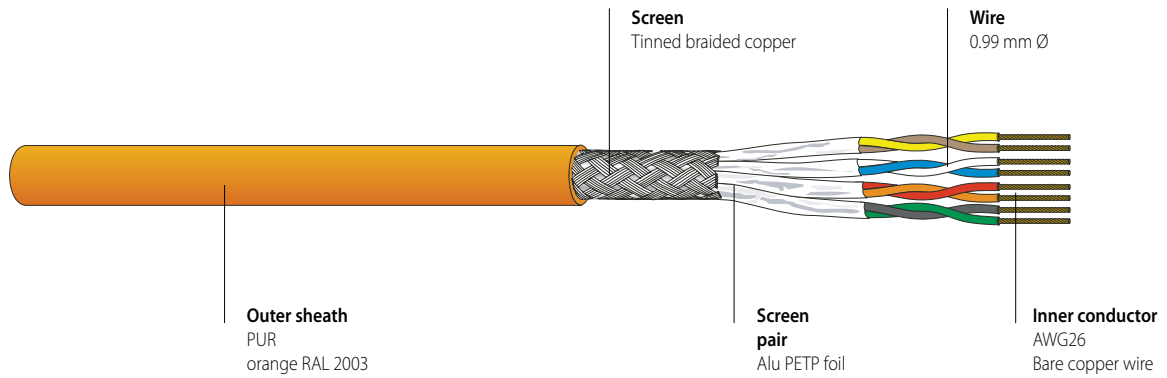


**COPPER DATA CABLES, SHIELDED**

**Industrial Flexible data cable S/FTP Cat.7 AWG26**  
 CU 7702 4P flex Industrial PUR



**PRODUCT INFORMATION**



**FEATURES**

Electrically and mechanically excellent Cat.7 patch cord with PUR sheath - 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.  
 Compatible with Datwyler IP67 RJ45 plug.

**APPLICATIONS**

As patch cord in patch panels and as equipment connection cable - designed for use in industrial areas.  
 Oil resistant.  
 For 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.  
 Applicable for Power over Ethernet (PoE) / PoE+.

**VERSIONS**

Article No.	Dimension n x n x mm (AWG)	Sheath	Sheath Ø mm	Weight kg/km	Cu weight kg/km	Fire load		PU
						kWh/m	MJ/m	
187688	4 x 2 x 0.132 (AWG26)	PUR <sup>1)</sup>	6.4	52.4	18.1	0.15	0.54	1000 m drum

<sup>1)</sup> PUR = Polyurethane

Copper

Fibre Optics

Cabinets & Racks

Data Centre

Wireless

Multimedia

General Information

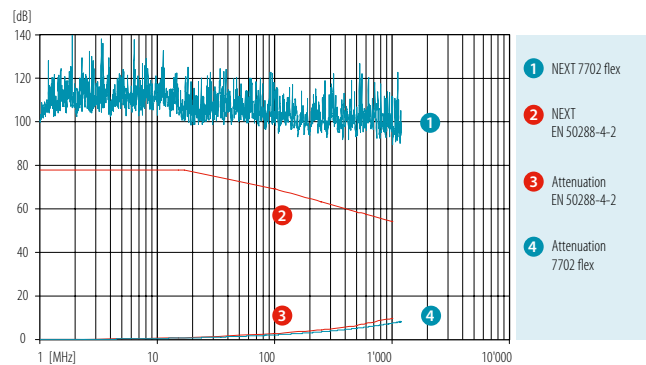
CU 7702 flex 4P Industrial PUR 0312/e

**ELECTRICAL CHARACTERISTICS**

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

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: ≥ 34 mm  
 Repeated bending: ≥ 1000 cycles  
 Tensile strength: on request  
 Temperature range: during installation: 0° C to +50° C  
 in operation: -30° 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: IEC 60754-1/-2, EN 50267-2-1/-2-2 (VDE 0482-267-2-1/-2-2)
- non corrosive gases
- Flame propagation: IEC 60332-1-2, EN 60332-1-2 (VDE 0482-332-1-2)
- Oil-resistant: EN 60811-2-1
- Power over Ethernet: IEEE 802.3af
- EMC: shielded
- Cat./Class: better than Cat.7 / Class F