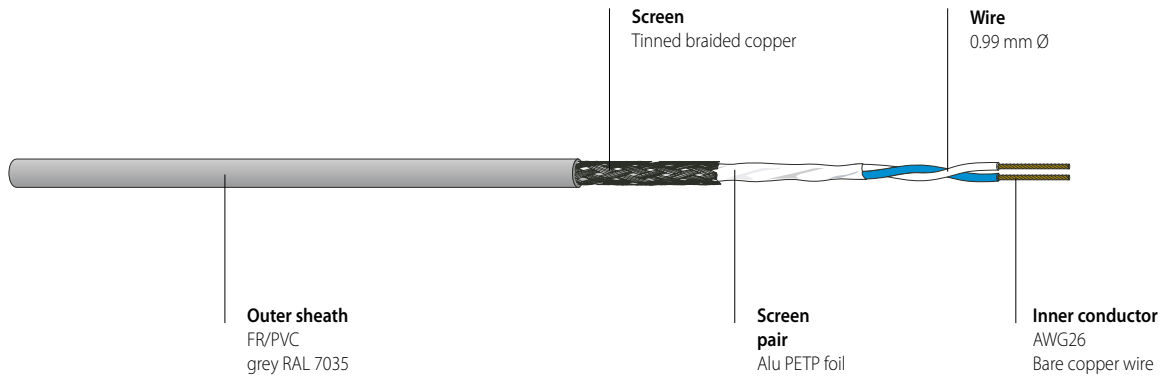
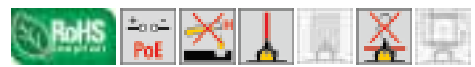


COPPER DATA CABLES, SHIELDED

Flexible data cable S/FTP Cat.7 AWG26
 CU 1P flex Multimedia



PRODUCT INFORMATION



FEATURES

Electrically and mechanically excellent 1 pair 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.

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 cables.
 Suitable for all 1 pair ICT network applications up to class F applications (600 MHz) in accordance with EN 50173-1 and ISO/IEC 11801.

VERSIONS

Article No.	Dimension	Sheath	Sheath Ø	Weight	Cu weight	Fire load		PU
	n x n x mm (AWG)					kWh/m	MJ/m	
182884	1 x 2 x 0.132 (AWG26)	FRNC/LSOH ¹⁾	3.5	18.4	9.5	0.05	0.18	1000 m drum

¹⁾ FRNC/LSOH = Flame Retardant Non Corrosive / Low Smoke Zero Halogen

Copper

Fibre Optics

Cabinets & Racks

Data Centre

Wireless

Multimedia

General Information

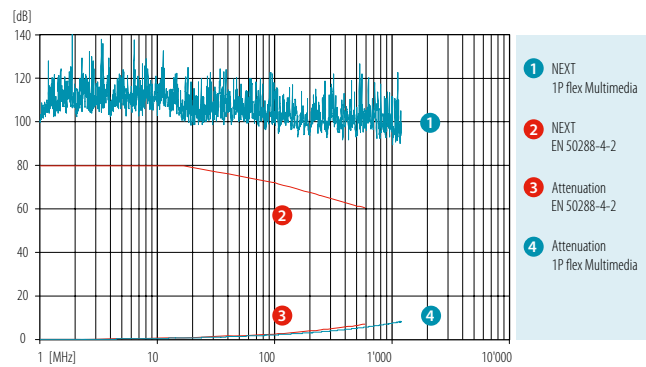
CU flex 1P 0712/e

ELECTRICAL CHARACTERISTICS

CATEGORY	5e		6	6 _A	7						
Frequency [MHz]	1	4	10	100	250	500	600	800	862	1000	1200
Attenuation [dB/10m]	0.26	0.50	0.79	2.67	4.30	6.20	6.71	7.90	8.30	8.90	9.90
NEXT [dB]	100	100	100	100	95	92	90	90	90	90	90
ACR-N [dB/10m]	100	99	99	97	91	86	83	82	82	81	80
PS-ACR-F [dB/10m]	100	99	99	97	95	91	88	87	87	86	85
Return loss [dB]	26	32	35	30	27	24	23	21	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
 Near end unbalance attenuation LCL : > 40 dB
 Delay Skew: 4 ns/100 m
 NVP: 78 %



MECHANICAL CHARACTERISTICS

Bending radius: ≥ 28 mm
 Repeated bending: ≥ 1000 cycles
 Tensile strength: ≤ 14 N
 Temperature range: during installation: 0° C to +50° C
 in operation: -20° C to +60° C

GENERAL CHARACTERISTICS

Wire colour code: 1P: white/blue
 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)
 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)
 Power over Ethernet: IEEE 802.3af
 EMC: shielded
 Cat./Class: better than Cat.7 / Class F