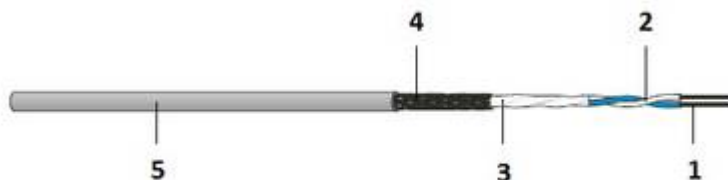


CU 1P flex Multimedia

FLEXIBLE DATA CABLE S/FTP CAT.7 AWG26



- 1 Inner conductor:** AWG26 Bare copper wire
- 2 Wire:** 0.99 mm Ø
- 3 Screen pair:** Alu PETP foil
- 4 Screen:** Tinned braided copper
- 5 Sheath:** FR/PVC grey RAL 7035



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.

APPLICATION

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.

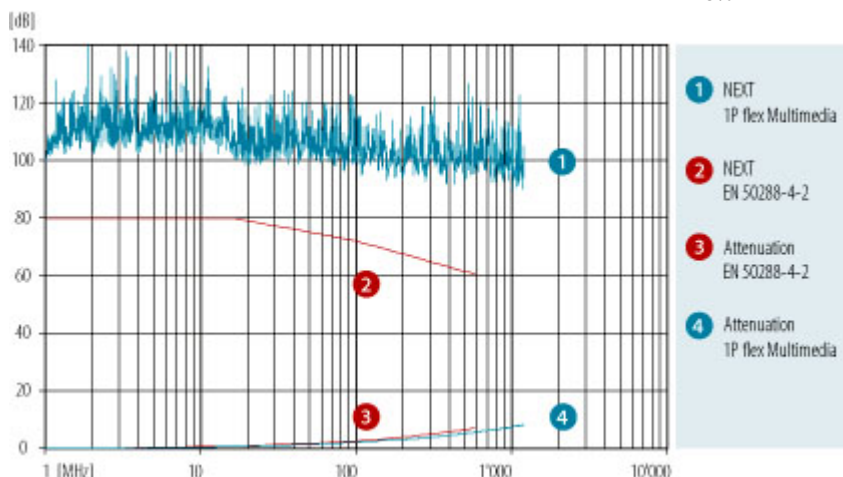
Suitable for all 1 pair ICT network applications up to class F applications (600 MHz) in accordance with EN 50173-1 and ISO/IEC 11801.

ELECTRICAL CHARACTERISTICS

Category	5e	6	6A	7	800	862	1000	1200		
Frequency 1 [MHz]	4	10	100	250	500	600	800	862	1000	1200
Attenuation 0.26 [dB/100 m]	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] 100	99	99	97	91	86	83	82	82	81	80
PS-ACR-F [dB] 100	99	99	97	95	91	88	87	87	86	85
Return loss 26 [dB]	32	35	30	27	24	23	21	21	20	19

ELECTRICAL PROPERTIES

Loop resistance at 20° C:	270 Ω/km
Mutual capacitance:	43 pF/m
Impedance at 100 MHz:	100 Ω ± 5 Ω
Transfer impedance at 1/10/30 MHz:	10 mΩ/m
Near end unbalance att. LCL:	> 40 dB
Delay skew:	4 ns/100m
NVP:	78%



MECHANICAL PROPERTIES

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

STANDARDS

Wire colour	1P: white/blue
Imprint	DATWYLER «cable type» «additional text» «batch number» «meter marks»
LS0H	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
PoE	IEEE 802.3af
EMC	shielded
Cat./Class	better than Cat.7 / Class F

VERSIONS

Article No.	Product	Dimension n x k [mm ² (AWG)]	Sheath	Sheath Ø [mm]	Weight [kg/km]	Cu rate [kg/km]	Fire load [kWh/m]	Fire load [MJ/m]	PU
182884	CU 1P flex Multimedia	1 x 2 x 0.132 (AWG26)	FRNC/LS0H	3.5	18.4	9.5	0.05	0.18	1000 m drum