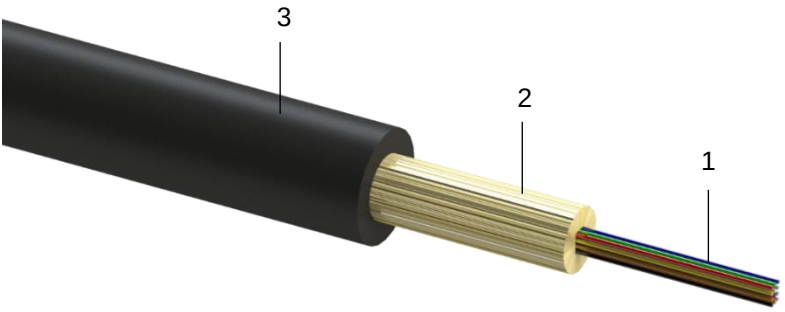
Cable construction code	DIN code
UAF1000 FiRis 00.yy.zz.c	J/A-(ZN)H



1. Optical fibres
2. Aramid strength members
3. FRLSZH UV stable outer jacket

Cable general description

Max. 12 fibre non-metallic drop cable for indoor or outdoor aerial installation.

Construction and dimensions

Fibre count	1-2	4-8	10-12
Outer jacket nominal thickness (mm)	0,8	0,8	0,8
Cable nominal outer diameter (mm)	3,2	3,6	3,8
Cable informative weight (kg/km)	11	13	14
Standard put-up length (m)	2100/4100 ± 5%	2100/4100 ± 5%	2100/4100 ± 5%

Outer jacket

Material	UV stable FRLSZH
Jacket colour	Black. Other colours available on request
Sheath marking	Ink-Jet, white or black depending on the jacket colour
Print legend	Trademark, construction name, cable type, batch-number, meter-marking, CE marking Customer print legend available on request

Optical fibers

Colour coding (IEC 60304)	1.-12.: red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink
Fiber type	Bending optimized single- and multi-mode fibers (OS2, OM1, OM2, OM3, OM4, OM5)

Geometrical and transmission parameters are available at separate generic datasheet

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version 1.1 (issued date 1.12.2018)

Mechanical characteristics

Test	Test method	Value	Acceptance criteria*
Tensile performance	IEC 60794-1-21:E1	1000 N (max. allow-able tension)	Δα ≤ 0,15 dB Δα ≤ 0,05 dB after test
Crush	IEC 60794-1-21:E3A	500 N/100mm (long term) 1000 N/100mm (short term)	Δα ≤ 0,05 dB prior release, no damage Δα ≤ 0,05 dB after release, no damage
Impact	IEC 60794-1-21:E4	3 Nm, 3 impacts, d=20 mm, R=300 mm	Δα ≤ 0,05 dB after test, no damage
Repeated bending	IEC 60794-1-21:E6	R=15 x cable diameter, 25 cycles	no damage
Torsion	IEC 60794-1-21:E7	L=2 m, rotation angle ±180° 5 cycles	no damage
Bend no tension	IEC 60794-1-21:E11A	R=40 x cable diameter, 4 turns, 3 cycles	Δα ≤ 0,05 dB after test, no damage
Bend under tension	IEC 60794-1-21:E18A	L=2 m, R=150 mm, bend angle 45°, maximum allow-able tension, 20 cycles	Δα ≤ 0,05 dB after test, no damage
Maximal recommended span	TELENCO clamp 7593	60 m (minimal sag 90 cm), maximum allow-able tension	Δα ≤ 0,05 dB, no damage

Environmental characteristics

Test	Test method	Value	Acceptance criteria*
Temperature cycling	IEC 60794-1-22:F1	-20°C ÷ 60°C -25°C ÷ 60°C	Δα ≤ 0,05 dB Δα ≤ 0,15 dB, reversible
Temperature range of use		-5°C ÷ 50°C -20°C ÷ 60°C -25°C ÷ 60°C	installation operation storage, transport
Moisture resistance	IEC 60794-1-22:F5B	L = 3 m,1 m water height, 24 h	no water leakage

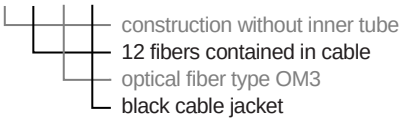
** IEC 60794-3-20*

Fire performance		
Euro classification to CPR	EN 50575, EN 13501-6	Cca-s2,d0,a1

Cable expected lifetime / min. 30 years

Order information

Order code e.g.: UAF1000 FiRis 00.12.M3.B



Detailed explanation of the FOC constructions coding found in the file *FOC coding*.