

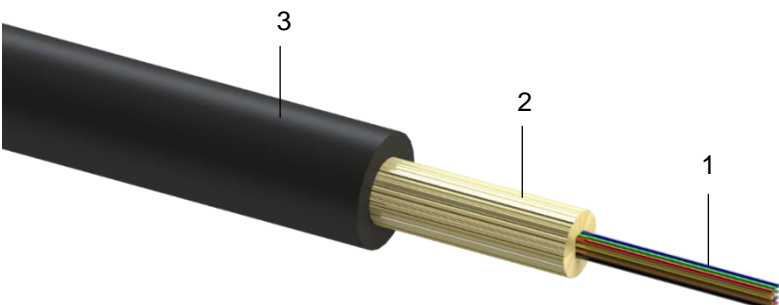
Non-metallic drop cables

Cable construction code

UAF1000 00.yy.zz.c

DIN code

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<br>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)                    |

Geometrical and transmission parameters are available at separate generic datasheet

Non-metallic drop cables

**Mechanical characteristics**

| Test                     | Test method         | Value   | Acceptance criteria*   |
|--------------------------|---------------------|---|--|
| Tensile performance      | IEC 60794-1-21:E1   | 1000 N (max. allow-able tension)                        | $\Delta\alpha \leq 0,15$ dB<br>$\Delta\alpha \leq 0,05$ dB after test  |
| Crush                    | IEC 60794-1-21:E3A  | 500 N/100mm (long term)<br>1000 N/100mm (short term)    | $\Delta\alpha \leq 0,05$ dB prior release, no damage<br>$\Delta\alpha \leq 0,05$ dB after release, no damage |
| Impact                   | IEC 60794-1-21:E4   | 3 Nm, 3 impacts, d=20 mm,<br>R=300 mm                   | $\Delta\alpha \leq 0,05$ dB after test, no damage  |
| Repeated bending         | IEC 60794-1-21:E6   | R=20 x cable diameter, 25 cycles                        | no damage  |
| Torsion                  | IEC 60794-1-21:E7   | L=2 m, rotation angle $\pm 180^\circ$ ,<br>5 cycles     | no damage  |
| Bend                     | IEC 60794-1-21:E11A | d=15 x cable diameter, 4 turns,<br>3 cycles             | $\Delta\alpha \leq 0,05$ dB after test, no damage  |
| Maximal recommended span | TELENCO clamp 7593  | 60 m (minimal sag 90 cm),<br>maximum allow-able tension | $\Delta\alpha \leq 0,05$ dB, no damage   |

**Environmental characteristic**

| Test                     | Test method        | Value                                       | Acceptance criteria*   |
|--------------------------|--------------------|---|--|
| Temperature cycling      | IEC 60794-1-22:F1  | -20°C ÷ 60°C<br>-25°C ÷ 60°C                | $\Delta\alpha \leq 0,05$ dB<br>$\Delta\alpha \leq 0,15$ dB, reversible |
| Temperature range of use |                    | -5°C ÷ 50°C<br>-20°C ÷ 60°C<br>-25°C ÷ 60°C | installation<br>operation<br>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

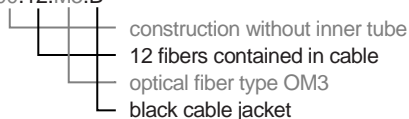
Cable expected lifetime / min. 30 years

**Fire performance**

| Test                       | Test method          | Result |
|----------------------------|----------------------|--------|
| Euro classification to CPR | EN 50575, EN 13501-6 | Fca    |

**Order information**

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



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