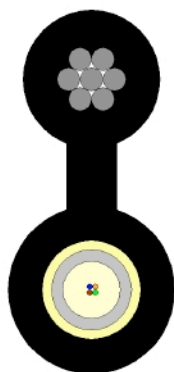


Optical fiber cables for aerial installation (Figure 8 drop)

Cable Design

Acc. to IEC 60794

Central Loose Tube - Dry Core - Single Sheath



- Figure : 12 fibers cable (not to scale) -

- **Support** : Galvanized steel strand messenger.
- **Central loose tube** : thermoplastic material, containing optical fibers and filled with a suitable water tightness compound.
- **Longitudinal water tightness** : water-swellable elements (dry core).
- **Dielectric reinforcement** : aramid yarns.
- **Outer sheath** : polyethylene. One ripcord is laid beneath.

Configuration

No. of fibers	mm	1-12
Steel strand dimensions (No. wires x Øwire)	mm	7 x 1.0
Cable dimensions (width x height)	kg / km	7.3 x 15.8
Cable weight	kN/	115
Modulus of elasticity	mm ²	148.6
Effective area	mm ²	8.8
Thermal expansion coefficient	°C ⁻¹	13.4 · 10 ⁻⁶
Max. working tension (no fiber strain)	kN	4
Breaking strength	kN	≥ 12

Application

Temperature Range	Transportation & Storage: - 40 to + 70°C	Minimum Bending Radius	
	Installation: - 5 to + 50°C		Under Maximum Tension: 20 x Cable-Ø
	Operation: -30 to + 70°C		Without Tension: 15 x Cable-Ø

Identification and Packing

Fiber Colors

No.	1	2	3	4	5	6	7	8	9	10	11	12
Color	blue	orange	green	brown	grey	white	Red	black	yellow	violet	pink	turquoise

Sheath Color:

The outer sheath color is black.

Sheath Marking:

The outer sheath is marked in 1 meter intervals as follows:

DRAKA <year of manufacture> <number and type of fibers> <length marking in meters>

Packing:

Standard wooden drums with protection.

Delivery Lengths:

Standard delivery lengths are 4 km