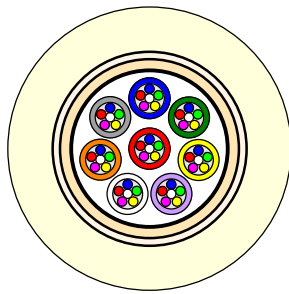# Prysmian Group

PRYSMIAN

Draka

FTTH Riser Flextube® cable, Indoor/outdoor* BendBright®XS fibre

Cable Design

- not to scale -

- **Micro-module:** Thin wall tubing (FlexTube®), filled with a suitable compound, housing 6 or 12 BendBright®^{XS} optical fibres.
- **Water tightness:** dry core with swellable elements.
- **Reinforcement:** Aramid yarns.
- **Outer Sheath:** LSZH-FR material.

Indoor/outdoor* installation. Micro-modules are flexible and allow to access very easily to the fibres without any special tool. Possibility to extract the modules up to 3m**.

Technical data

No. of Fibres		12	24	36	48	72	96	144
Design		2 x 6	2 x 12	3 x 12	4 x 12	6 x 12	8 x 12	12 x 12
Module diameter	mm	1.1	1.3					
Cable Diameter	mm	7	7	7.6		8.5	9	10
Cable Weight	kg / km	35	40	45		65	70	75
Minimum Bending Radius	mm	Static 10 x ∅ cable						
Temperature Range	ºC	Installation + 0 -> + 40		Transport & Storage - 30 -> + 60			Operation - 20 -> + 60	

Please refer to our General Installation, Safety & Handling recommendations before handling.

* although the cable sheath has an UV protection it should not be exposed permanently to the direct sunlight

** typical length depending on the real installation topology

Main characteristics

Test	Test Standard	Specified Value	Acceptance Criteria
Max. Installation Tension	IEC 60794-1-2-E1	100 daN	Δα reversible
Crush	IEC 60794-1-2-E3	100 daN / 100 mm	Δα ≤ 0.1 dB
Impact	IEC 60794-1-2-E4	5 Nm	Δα reversible
Temperature Cycling	IEC 60794-1-2-F1	-20°C to +60°C	Δα ≤ 0.1 dB/km
Water Penetration	IEC 60794-1-2-F5B	Sample 3m, water 1m	No water leakage after 24 h
Fire performance	IEC 60332-1-2		IEC 60332-1-2

All optical measurements at 1550 nm.

Optical Characteristics

See the attached cabled optical fibre data sheet.

Identification

Fibre Colours

12 fo cable (grouped by 6)

Flextube nº1: white coloured

No.	1	2	3	4	5	6
Colour	white	red	green	blue	black	yellow

Flextube nº2 white coloured

No.	1	2	3	4	5	6
Colour	orange	grey	brown	violet	pink	aqua

Cables from 24 fo to 144 fo (grouped by 12)

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

Micromodule Colours

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

Sheath Colour:

The outer sheath colour is ivory.

Sheath Marking:

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

<Manufacturer>   VODAFONE <year / week of manufacture> <cable type and no. of fibres>   <length marking in meters>

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery lengths are 2 km, 4 km, 6 km with a tolerance of - 1% / + 3%