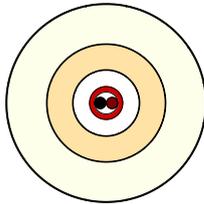


FTTH Indoor Drop Optical Cable

Cable Design



- not to scale -

- **Micro-module:** coloured thin wall tubing, housing the optical fibres. Without any gel.
- **Reinforcement and protection:** dielectric yarns.
- **Outer Sheath:** LSZH-FR material.

Indoor installation up to the customer premises. The fully dry design provides easier & faster installation without further cleaning.

Technical data

No. of Fibres		2
Outer cable Diameter	mm	4.0
Cable Weight	kg / km	16
Max installation tension	daN	40
Min. bending radius	mm	Without Tension: 20 mm
Temperature range	°C	Installation: -5 -> +60 Transport. & Storage: -40 -> +70 Operation: -30 -> +70

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

Main characteristics

Test	Standard	Value	Acceptance criteria*
Maximum Tension	IEC 60794-1-2-E1	See above	$\Delta\alpha$ reversible, fibre strain $\leq 0.5\%$
Crush	IEC 60794-1-2-E3	80 daN / 100 mm	$\Delta\alpha \leq 0.1$ dB
Impact	IEC 60794-1-2-E4	3Nm, 3 impacts, R=300mm	$\Delta\alpha$ reversible
Torsion	IEC 60794-1-2-E7	25N, 1m, +/- 180°, 20 cycles	$\Delta\alpha \leq 0.1$ dB
Cable kink	IEC 60794-1-2-E10	R=15 mm	No kink
Cable bend	IEC 60794-1-2-E11B	R=20 mm	$\Delta\alpha \leq 0.1$ dB
Temperature range	IEC 60794-1-2-F1	-30°C to +70°C	$\Delta\alpha \leq 0.1$ dB/km
Water penetration (except the optical module)	IEC 60794-1-2-F5B	sample=3m, water h=1m	no water leakage after 24h
Fire performance	IEC 60332-1-2		IEC 60332-1-2
Euroclass	EN 50575		C _{ca} -s1,d1,a1

* values for single-mode fibres, all optical measurements performed at 1550 nm

Optical Characteristics

See the attached cabled optical fibre data sheet C24

Identification

Fibre Colours

No.	1	2
Colour	black	brown

Module Colour

No.	1
Colour	red

Sheath Colour:

The outer sheath colour is white.

Sheath Marking:

The outer sheath is marked in 2 meter intervals as follows:

**<Manufacturer> <batch code> - 2 fib G657A2 – CPR Class Cca – DOP 1004723 – 40 daN
<length marking in meter>**

Logistic

Packing:

Wooden drums with protection, standard length 1000m
or coils, standard length 250m

© Prysmian Group 2017, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorized by Prysmian Group.