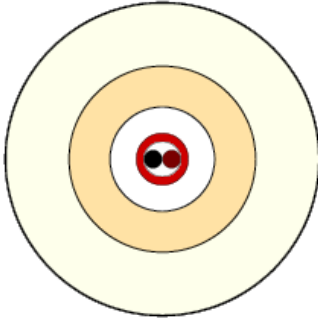


FTTH Indoor Drop Optical Cable

Cable Design

IEC 60794-3-10



- not to scale -

- **Micro-module:** coloured thin wall tubing, housing the optical fibers. 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		
Cable Diameter	mm	4.0		
Cable Weight	kg / km	16		
SAP code		60085439		
Minimum Bending Radius	mm	Without Tension: 20mm		
Temperature Range	°C	Installation -5 to +60	Transport & Storage -40 to +70	Operation -30 to +70

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

Main characteristics

Test	Test Standard	Specified Value	Acceptance Criteria
Max. Installation Tension	IEC 60794-1-2-E1	40 daN	$\Delta\alpha$ reversible, fiber 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	3 Nm, 3 impacts, R= 300 mm	$\Delta\alpha$ reversible
Torsion	IEC 60794-1-2-E7	25N, 1m, $\pm 180^\circ$, 20 cycles	$\Delta\alpha \leq 0.1$ dB
Cable kink	IEC 60794-1-2-E10	R=15mm	No kink
Cable bend	IEC 60794-1-2-E11B	R=20mm	$\Delta\alpha \leq 0.1$ dB
Temperature Cycling	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 ≤ 1 m, 0.1 bar	no water leakage in 24h
Fire performance	IEC 60332-1-2		IEC 60332-1-2
Euroclass	EN 50575		Cca-s1, d1, a1

All optical measurements at 1550 nm.

Optical Characteristics

See the attached cabled single mode 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:

PRYSMIAN <batch code> - 2 fib G657A2 – CPR Class Cca – DOP xxxxxxx – 40 daN <length marking in meter>
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Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length up to 1 km.

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