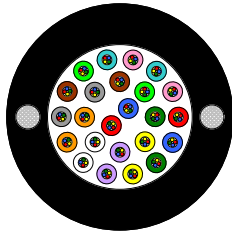


FTTH outdoor optical fibre cable, BendBright^{XS} mid span easy tapping 100m

Cable Design



- not to scale -

- **module:** dry buffered element, housing the single-mode optical fibres. Easy strippable. Two additional dummy fibres if needed.
- **Strength members:** glass fibre reinforced plastic material.
- **Outer Sheath:** HDPE.

Outdoor installation in ducts. Easy selection and possibility of removing more than 100m* of a single fibre for mid span access without necessity to dispose of an over-length of cable. Modules may be further pushed over around 10m*. Pulling force applicable to a module up to 20 N.

* typical length depending on the real installation topology

Technical data

No. of Fibres		24	48	48	96
Design		12x2 (+dummy fibres)	12x4	24x2 (+dummy fibres)	24x4
module - Ø	mm	13			
Cable Diameter	mm	15			
Cable Weight	kg / km	140			
Max installation tension	daN	100			
Min. bending radius	mm	Without Tension 150mm			
Temperature range	°C	Installation -5 -> +50	Transport. & Storage -40 -> +60	Operation -30 -> +60	

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

Main characteristics

Test	Standard	Value	Sanction**
Maximum Tension at installation	IEC 60794-1-2-E1	100 daN	fibre strain ≤ 0.5%, Δα reversible
Crush	IEC 60794-1-2-E3	200 daN / 100 mm	Δα ≤ 0.1 dB
Impact	IEC 60794-1-2-E4	3 Nm (20°C & -15°C)	Δα reversible
Torsion	IEC 60794-1-2-E7	20N, 1m, +/- 180°, 20 cycles	Δα ≤ 0.1 dB
Cable kink	IEC 60794-1-2-E10	R=75mm (20°C & -15°C)	No kink
Cable bend	IEC 60794-1-2-E11	R=150 mm	Δα ≤ 0.1 dB
Temperature range	IEC 60794-1-2-F1	-30°C to +60°C	Δα ≤ 0.1 dB/km

** 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	3	4
Colour	red	blue	green	yellow

Buffer Tube Colours

No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	red	blue	green	yellow	violet	white	orange	grey	brown	Light green	aqua	pink
No.	13	14	15	16	17	18	19	20	21	22	23	24
Colour	red	blue	green	yellow	violet	white	orange	grey	brown	Light green	aqua	pink

Sheath Colour:

The outer sheath colour is black.

Sheath Marking:

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

<Manufacturer> <year of manufacture> OPTICAL CABLE <nb of fibre> G657 A2 <length marking in meter>

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 2 km, 4 km with a tolerance of - 1% / + 3%

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

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