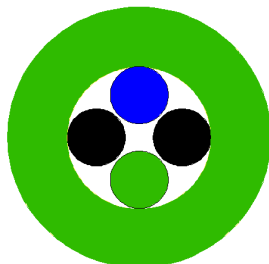


BB-XS Pico-TX Cable for Use in Microducts

Cable Design



- not to scale -

- **Buffer:** All fibres are grouped together in an easy strippable natural coating.
- **Outer sheath:** Low friction thermoplastic compound, easy strippable.

This Pico-TX optical cable is designed for blowing in 2.5 to 3.5 mm inner diameter microducts and for pre-installation in ducts, used in OSP networks access part of the network.

Technical data

No. of Fibres		2 optical fibres (+ 2 dummy fibres)	4 optical fibres
Cable Diameter	mm	1.1	1.1
Cable Weight	kg / km	1.1	1.1

Main characteristics

Test	Standard	Specified value	Acceptance Criteria ⁽²⁾
Tensile Performance	IEC 60794-1-2-E1	20 N	$\Delta\alpha \leq 0.1$ dB reversible, fibre strain $\leq 0.5\%$
Crush	IEC 60794-1-2-E3	100N, 100mm, max. 15 min	$\Delta\alpha \leq 0.1$ dB reversible, no damage
Cable bend	IEC 60794-1-2-E11	≥ 50 mm	$\Delta\alpha \leq 0.05$ dB, no damage
Temperature range ⁽¹⁾	IEC 60794-1-2-F1	-20 to +60°C	$\Delta\alpha \leq 0.1$ dB
Min. bending radius	mm	Without Tension ≥ 50 mm	Under Maximum Tension ≥ 50 mm
Temperature range	°C	Installation -10 to +50	Transport. & Storage -10 to +50 Operation -20 to +60
Blowing Performance		Installation in microtubes with ID = 3.5mm over lengths > 1000m (typical value that may vary depending on the environmental conditions and blowing process)	

⁽¹⁾ temperature cycling test shall be performed on cable coil (without drum)

⁽²⁾ all optical measurements at 1550 nm.

Optical Characteristics

See attached cabled optical fibre data sheet for G.657.A2 fibres.

Identification

Fibre Colours

No.	1	2
Colour	blue	green

Dummy fibres shall be black.

4 OF

No.	1	2	3	4
Colour	red	white	yellow	blue

Sheath Colour:

The outer sheath colour is green (RAL 6018).

Sheath Marking:

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

**Pico-TX <no. of fibres> x G657.A2 DRAKA(SR) <year of manufacture> <cable ID>
<length marking>m**

Logistic

Packing:

Plywood drums with protection

Delivery Lengths:

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

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