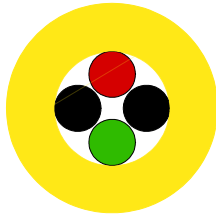


## BB-XS Pico-TX cable for use in microducts

### Cable Design

**DRAFT**



- 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-UN 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
Reinforcement		2 (black or natural) glass fibres	-
Cable Diameter	mm	1.1	
Cable Weight	kg / km	1.1	

### Main characteristics

Test	Standard	Specified value	Acceptance Criteria**
Tensile Performance	IEC 60794-1-2-E1	20 N	$\Delta\alpha \leq 0.1$ dB reversible Fibre strain $\leq 0.5\%$
Bending radius	IEC 60794-1-2-E11	$\geq 50$ mm	$\Delta\alpha \leq 0.05$ dB, No damage
Crush	IEC 60794-1-2-E3	100N, 100mm, max. 15 min	$\Delta\alpha \leq 0.1$ dB, reversible, no damage
Temperature range	IEC 60794-1-2-F1	-20 to +60°C	$\Delta\alpha \leq 0.1$ dB

\*\* values for single-mode fibres, all optical measurements performed at 1550 nm, \* At room temperature  $23^\circ\text{C} \pm 2^\circ\text{C}$

Min. bending radius	mm	Without Tension $\geq 50$ mm	Under Maximum Tension $\geq 50$ mm
Temperature range	$^\circ\text{C}$	Installation -10 to +50	Transport. & Storage -10 to +50 Operation -20 to +60

Installation in micro-tubes by blowing: ID 3.5mm, L > 1000m; typical value that may vary depending on the environmental conditions and blowing process

### Optical Characteristics

See the cabled optical fibre datasheet C24 for the properties of the G.657A2 fibers.

## Identification

**Fibre colours** in case of 2 optical fibres

Nr.	1	2
Colour	Red	Green

**Fibre Colours** in case of 4 optical fibres

No.	1	2	3	4
Color	Red	White	Yellow	Blue

### Sheath Marking

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

**Cogas Kabel Pico-TX n x G657.A2 DRAKA(DL) [year] [Batchcode] [length marking]m**

Where N is fibre count.

## Logistic

### Packing:

Plastic or Plywood Drums with protection.

### Delivery Lengths:

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

### Article numbers:

2 x G.657A2: 60047264

4 x G.657A2: 60047549

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