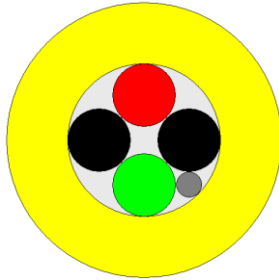


Pico-TX microduct optical fibre cable

JN-Pico-TX



-not to scale-

Cable Design

According to IEC/EN 60794

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

Cable Application

These Pico-TX optical cables are 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. Please refer to our Installation Guides, please ask to our sales office.

Technical Data

No. of Fibres		2 (+ 2 dummy fibres)		4
Cable Diameter – Ø	mm	1.1		1.1
Cable Weight	kg / km	1.1		1.1
Minimum Bending Radius	mm	Under Maximum Tension: ≥ 50 mm		Without Tension: ≥ 50 mm
Temperature Range	°C	Transport & Storage: -40 → +70	Installation: -10 → +50	Operation: -20 → +60

Main Characteristics

Test	Standard	Specified Value	Acceptance Criteria
Tensile Performance	IEC 60794-1-21-E1	20 N	$\Delta\alpha \leq 0.1$ dB reversible, $\Delta l/l \leq 0.5\%$
Crush	IEC 60794-1-21-E3	100 N / 100 mm, 15 min	$\Delta\alpha \leq 0.1$ dB reversible, no damage
Cable Bend	IEC 60794-1-22-E11	≥ 50 mm	$\Delta\alpha \leq 0.05$ dB, no damage
Temperature Cycling⁽¹⁾	IEC 60794-1-22-F1	-20 °C to +60 °C -40 °C to +70 °C	$\Delta\alpha \leq 0.05$ dB/km $\Delta\alpha \leq 0.1$ dB/km

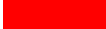



(1) Temperature cycling test shall be performed on cable coil (without drum)

Optical Characteristics

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

Identification

Fibre Colours ⁽²⁾:

No.	1	2	3	4
Colour	red	green	blue	violet
				

Dummy fibres shall be black.

(2) Other colour set available upon agreement.

Sheath Colour ⁽³⁾:

The outer sheath colour is yellow.

(3) Other colour available upon agreement.

Sheath Marking ⁽⁴⁾:

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

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

(4) Customized marking available upon agreement.

Logistic

Packing: Plywood drums with protection.

Delivery Lengths ⁽⁵⁾: Standard delivery length is 4 km with a tolerance of -1% / +3%.

(5) Other delivery lengths available upon agreement.

All optical measurements in accordance with ITU-T G650 recommendations

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