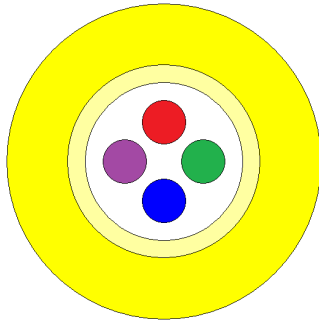


TRX microduct optical fibre cable

JN-TRX



-not to scale-

Cable Design

According to IEC/EN 60794

- **Buffer:** All fibres are grouped together in an easy strippable natural coating.
- **Strength member:** aramid yarns.
- **Outer sheath:** high e-modulus thermoplastic compound.

Cable Application

These Sirocco TRX microduct optical fibre cables are optimized for installation by blowing into microducts and protected microducts. Please refer to our Installation Guides, please ask to our sales office.

Technical Data

No. of Fibres		4	6
Cable Diameter – Ø	mm	1.8 ± 0.2	2.0 ± 0.2
Cable Weight	kg / km	3	3.7
Minimum Bending Radius	mm	Under Maximum Tension: 25 x Cable Ø	Without Tension: 15 x Cable Ø
Temperature Range	°C	Transport & Storage: -30 → +70	Installation: -10 → +50 Operation: -20 → +60

Main Characteristics

Test	Standard	Specified Value	Acceptance Criteria
Tensile Performance	IEC 60794-1-21-E1	150 N	$\Delta\alpha \leq 0.05$ dB
Crush	IEC 60794-1-21-E3	500 N / 100 mm, 1 min	$\Delta\alpha \leq 0.05$ dB, no damage
Impact	IEC 60794-1-21-E4	3 J, 3 impacts, R = 300 mm	no damage
Repeated Bending	IEC 60794-1-21-E6	R = 25 x OD, 100 cycles	$\Delta\alpha \leq 0.05$ dB
Torsion	IEC 60794-1-21-E7	$\pm 180^\circ$, L = 1 m, 10 cycles	$\Delta\alpha \leq 0.05$ dB
Kink	IEC 60794-1-21-E10	minimum diameter 30 mm	no damage
Cable Bend	IEC 60794-1-22-E11	R = 25 x OD, 5 turns, 3 cycles	$\Delta\alpha \leq 0.05$ dB
Temperature Cycling ⁽¹⁾	IEC 60794-1-22-F1	-20 °C to +60 °C -30 °C to +70 °C	$\Delta\alpha \leq 0.05$ dB/km $\Delta\alpha$ reversible







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

Optical Characteristics

See the attached cabled optical fibre data sheet.

Identification

Fibre Colours ⁽²⁾:

No.	1	2	3	4	5	6
Colour	red	green	blue	violet	white	yellow
						

(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> <year of manufacture> <no. of fibres> x <fibre type> <length marking>m

(4) Customized marking available upon agreement.

Logistic

Packing: Plywood drums with protection.

Delivery Lengths ⁽⁵⁾: Standard delivery lengths are 2km and 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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