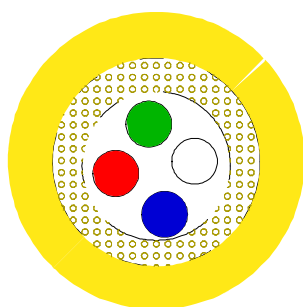# Draka
Draka Comteq | Cable Solutions EMEA

JN-SM-TRX

Cable Design

JETnet: buffered Fiber Optic Cable -dry core

JETnet

- **Optical Fibre:** All fibres are grouped together in a easy strippable natural coating. For fibre characteristics see attached datasheet.(C03e).
- **Strength members:** are applied in the cable.
- **Outer sheath:** consists of a high e-modulus thermoplastic material.

- not to scale -

Application

Mini cables for installation in micro duct "guide" tube for FTTH networks.

Configuration

No. of Fibers	Outer Sheath [mm]	Cable Weight [kg/km]	Pulling Force [N]
2	1.8 ± 0.2	3	150
3	1.8 ± 0.2	3	150
4	1.8 ± 0.2	3	150
6	2.0 ± 0.2	3.7	150

Main Mechanical and Environmental Characteristics

Test	Test Standard	Specified Value	Acceptance Criteria
Crush	IEC 60794–1–2-E3	1250 N / 100 mm,	$\Delta\alpha \le 0.05$ dB
Impact	IEC 60794-1-2 E4	5 Nm	$\Delta\alpha \le 0.05$ dB
Repeated Bending	IEC 60794–1–2-E6	R=25x D, 100 cycle	$\Delta\alpha \le 0.05$ dB
Cable Bend	IEC 60794–1–2-E11	R=25x D	$\Delta\alpha \le 0.05$ dB

Temperature Range	Transportation & Storage:	- 30 to + 60°C	
	Installation:	- 10 to + 50°C	
	Operation:	- 20 to + 60°C	

All optical measurements at 1550 nm.

All sizes and values without tolerances are reference values

Identification and Packing

Fiber Colors (acc. to EN187105) **2xG652D**

No.	1	2
Color	Red	Green

Fiber Colors (acc. to EN187105) **3xG652D**

No.	1	2	3
Color	Red	Green	Blue

Fiber Colors (acc. to EN187105) **4xG652D**

No.	1	2	3	4
Color	Red	Green	Blue	Violet

Fiber Colors (acc. to EN187105) **6xG652D**

No.	1	2	3	4	5	6
Color	Red	Green	Blue	Violet	White	Yellow

Filler Elements Colors:

All filler elements are uncolored (natural).

Sheath Color:

 The colour is orange for graded index (multi mode), fibres and yellow for single mode fibres.

Sheath Marking:

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

> **JETNET DRAKA COMTEQ TELECOM   [year of manufacture]   [fibre count] x [fibre type] [length marking]**

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery lengths are 2 km.