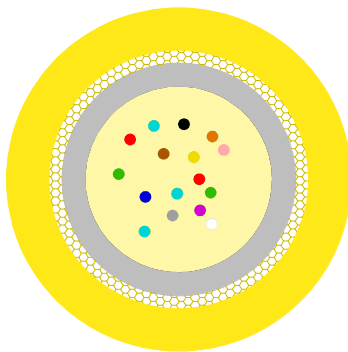


## Uni tube mini cables for use in micro ducts

### Cable Design



**JetNet**

- not to scale -

- **Fibres:** See datasheet CFS09003 for G.657.A2
- **Loose Tube:** thermoplastic material, containing up to 12 fibers and filled with a suitable gel compound.
- **Water Tightness:** fully watertight construction.
- **Strength members:** aramid yarns are applied in the cable.
- **Outer sheath:** high-density polyethylene compound, halogen free.

This uni tube dielectric optical cable is designed for outdoor installation in ducts and micro ducts by blowing techniques.

### Technical data

<b>No. of Fibres</b>		<b>12</b>
Design		1x12
Cable Diameter	mm	2.5
Cable Weight	kg / km	5.7

### Main characteristics

Test	Standard	Specified value	Acceptance Criteria**
Tensile Performance	IEC 60794-1-2-E1	150N	$\Delta\alpha \leq 0.05$ dB
Crush	IEC 60794-1-2-E3	1000N / 100mm, plate/plate.	$\Delta\alpha \leq 0.05$ dB
Impact	IEC 60794-1-2-E4	3 Nm, R=200mm, 3 impacts	$\Delta\alpha \leq 0.05$ dB
Repeated bending	IEC 60794-1-2-E6	R= 15x cable $\emptyset$ , 100 cycles	$\Delta\alpha \leq 0.05$ dB
Cable bend	IEC 60794-1-2-E11	R= 10x cable $\emptyset$ , 5 turns, 3 cycles*	$\Delta\alpha \leq 0.05$ dB
Temperature cycle	IEC 60794-1-2-F1	-20 to +60°C -40 to +70°C	$\Delta\alpha \leq 0.05$ dB $\Delta\alpha$ reversible
Water Penetration	IEC 60794-1-2-F5B	sample=3m, water=1m	No water leakage after 24 hour

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

Min. bending radius	mm	Without Tension 10 x Cable- $\emptyset$	Under Maximum Tension 25 x Cable- $\emptyset$
Temperature range	°C	Installation -10 to +50	Transport. & Storage -40 to +70 Operation -20 to +60

### Optical Characteristics

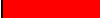











See cabled optical fibre data sheet C24 BendBright<sup>XS</sup>.



**BendBright<sup>XS</sup>  
at core**

## Identification

### Fiber Colors

No.	1	2	3	4	5	6	7	8	9	10	11	12
Color	red	blue	white	green	yellow	grey	brown	black	violet	orange	aqua	pink
												

**Sheath Color :** yellow.

### Sheath Marking:

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

RALA DRAKA(DL) JN-SM-URE25/GOGLDV (fibrecount) x G657A2 S12 Idno.[xxxxxx] [Year] [length marking]m

## Logistic

### Packing:

Plastic or Plywood Drums with protection

### Delivery Lengths:

Standard delivery length is 4000 m with a tolerance of - 1% / + 3%

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