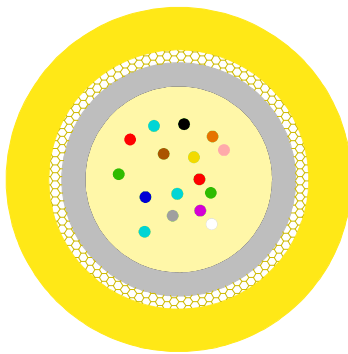


Uni tube mini cables for use in micro ducts

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

No. of Fibres		8	12
Design		1x8	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		Under Maximum Tension	
		10 x Cable- \emptyset		25 x Cable- \emptyset	
Temperature range	°C	Installation -10 to +50	Transport. & Storage -40 to +70	Operation -20 to +60	

Optical Characteristics

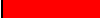








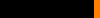


See cabled optical fibre data sheet C24 BendBright[®]XS.



**BendBright^{XS}
at core**

Identification

Fiber Colors

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