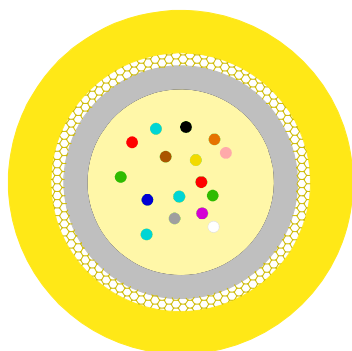


Uni tube mini cables for use in micro ducts

Cable Design A-DQ(ZN)2Y

Acc. to IEC 60794-5



JetNet

- not to scale -

- **Fibres:** single mode 200μ G.657A2 BendBright-XS.
- **Loose Tube:** thermoplastic material, containing up to 24 fibers and filled with a suitable gel compound. In case of 24 fibres they are grouped with a colored yarn in 12-fibre groups.
- **Water Tightness:** fully watertight construction.
- **Strength members:** aramide 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		12	24
Design		1x12	2x12
Cable Diameter	mm	2.9	
Cable Weight	kg / km	7.5	

Main characteristics

Test	Standard	Specified value	Acceptance Criteria**
Tensile Performance	IEC 60794-1-2-E1	250N	$\Delta\alpha \leq 0.05$ dB
Crush	IEC 60794-1-2-E3	1250N / 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 Ø, 100 cycles	$\Delta\alpha \leq 0.05$ dB
Cable bend	IEC 60794-1-2-E11	R= 10x cable Ø, 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 ± 2°C

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





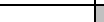







Optical Characteristics

See cabled optical fibre data sheet C35 for 200μ G.657A2 BendBright®XS.




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
												

Yarn Colors

No.	1	2
Color	red	white
		

Sheath Color: yellow

Sheath Marking:

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

DRAKA(DL) <year> URE29 A-DQ(ZN)2Y <fibre count> x G.657.A2 200μ <length marking>m

Logistic

Packing:

Plastic or Plywood Drums with protection

Delivery Lengths:

Standard delivery length is 6000 m with a tolerance of - 1% / + 3%

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