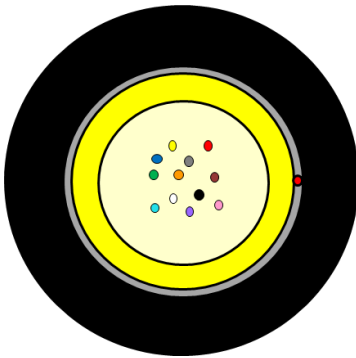


## Microkabel A-DQ(ZN)2Y 1xn

### Cable Design

IEC 60794-3-10



- not to scale -

- **Loose Tube:** thermoplastic material, containing up to 12 G.657A1 fibres (coating diameter 250µm up to 12 fibres) and filled with a non-toxic and dermatological safe gel compound.
- **Strength members:** aramid yarns
- **Outer sheath:** HDPE.

This unitube dielectric optical cable is designed for outdoor installation in ducts and microducts by blowing techniques.

### Technical data

No. of Fibres		1x4	1x6	1x12
Cable Diameter	mm	2.5 <sup>±0.1</sup>		
Cable Weight	kg / km	5.7		
Min. Bending Radius	mm	Without Tension	15 x Cable-Ø	
		Under Maximum Tension	20 x Cable-Ø	
Temperature Range	°C	Installation -5 to + 50	Transport & Storage - 30 to + 60	Operation - 20 to + 70

### Main characteristics

Test	Standard	Value	Sanction*
Max. Tensile (T <sub>s</sub> )	IEC 60794-1-2-E1	80N, hold time 10 min	Δl/l ≤ 0.5%, Δα ≤ 0.05 dB
Max. Tensile (T <sub>i</sub> )	IEC 60794-1-2-E1	40N, hold time 10 min	Δl/l ≤ 0.05%, Δα ≤ 0.05 dB
Crush	IEC 60794-1-2-E3	300 N/100 mm, 3x500mm distance	Δα ≤ 0.05 dB
Impact	IEC 60794-1-2-E4	1 Nm, 3 impacts, R= 12.5 mm	Δα ≤ 0.05 dB, no damage
Repeated Bending	IEC 60794-1-2-E6	R=20 x D, 35 cycles, 50N	Δα ≤ 0.05 dB, no damage
Torsion	IEC 60794-1-2-E7	±360°, 100 N, 20 cycles, 2m	Δα ≤ 0.05 dB, no damage
Cable Marking Abrasion	IEC 60794-1-21-E2B-1	60 cycles, load = 4 N, 40 mm	Legible marking after the test
Cable kink	IEC 60794-1-2-E10	Min. loop diameter = 5 x cable Ø	No kink
Drip	IEC 60794-1-2-E14	Test temperature: 80 °C, 5 sample, 200mm, 24 h	No drip
Temperature Range	IEC 60794-1-2-F1	-30°C to +70°C -15°C to +60°C	Δα ≤ 0.03 dB/km Δα ≤ 0.03 dB
Water Penetration	IEC 60794-1-2-F5B	Sample = 3 m, Water = 1 m	No water leakage after 24 hour

\* all optical measurements are performed at 1550 nm

## Optical Characteristics

See cabled optical fibre data sheet BendBright G.657.A1.



## Identification

### Fibre colours:

Nr.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	red	green	blue	yellow	white	grey	brown	violet	turquoise	black	orange	pink

### Tube colour:

The colour of the central bundle is yellow.

### Sheath Colour:

The outer sheath colour is black.

### Sheath Marking:

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

PRYSMIAN(S)    yyyy    OPTICAL CABLE    A-DQ(ZN)2Y    1 x n    <fiber type>    zzzz
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Where: n = number of fiber, yyyy = year of production, <fiber type> = E9/125, E50/125, E62.5/125, mmmm = meter marking.

## Logistic

### Packing:

Plastic Drums with protection.

### Delivery Lengths:

Standard delivery lengths are 2 km with a tolerance of 0% / + 5%

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