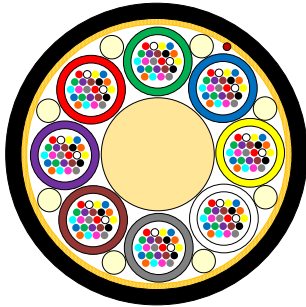


## A-DQ(ZN)2Y outdoor microduct optical fibre cable

### TV07187-en



-192f, not to scale-

#### Cable Design

According to IEC/EN 60794

- **Central Strength Member (CSM):** glass fibres reinforced plastic rod (GRP).
- **Tubes:** thermoplastic material containing 24 optical fibres and filled with a suitable water tightness compound.
- **Stranding:** loose tubes, SZ stranded around the CSM.
- **Binding elements:** aramid yarns.
- **Longitudinal Water Tightness:** water swellable materials (dry core).
- **Outer Sheath:** UV resistant HDPE.

#### Cable Application

These outdoor Sirocco microduct optical fibre cables are optimized for installation by blowing into microducts and protected microducts. Please refer to our Installation Guides, please ask to our sales office.

#### Technical Data

No. of Fibres		192		
Ordering Code	-			
Design	-	8 x 24		
Cable Diameter – Ø	mm	6.3		
Cable Weight	kg / km	39		
Minimum Bending Radius	mm	Under Maximum Tension: 20 x Cable Ø	Without Tension: 15 x Cable Ø	
Temperature Range	°C	Transport & Storage: -40 → +70	Installation: -15 → +50	Operation: -30 → +70

#### Main Characteristics

Test	Standard	Specified Value	Acceptance Criteria <sup>(1)</sup>
Tensile Performance	IEC 60794-1-21-E1	1000 N	$\Delta\alpha$ reversible
Crush	IEC 60794-1-21-E3	700 N / 100 mm, 15 min	$\Delta\alpha \leq 0.05$ dB after the test, no damage
Impact	IEC 60794-1-21-E4	1 J, 3 impacts, R = 300 mm	$\Delta\alpha \leq 0.05$ dB after the test, no damage
Repeated Bending	IEC 60794-1-21-E6	R = 20 x OD, 35 cycles, 100 N	no damage
Torsion	IEC 60794-1-21-E7	$\pm 180^\circ$ , 10 cycles, 100 N	$\Delta\alpha \leq 0.05$ dB, no damage
Bend	IEC 60794-1-21-E11	R = 20 x OD, 5 turns, 3 cycles	$\Delta\alpha \leq 0.05$ dB, no damage
Temperature Cycling	IEC 60794-1-22-F1	-30 °C to +70 °C	$\Delta\alpha \leq 0.15$ dB/km reversible
Water Penetration	IEC 60794-1-22-F5B	3 m sample, 24 h	no water penetration

(1) values for single-mode fibres, all optical measurements performed at 1550 nm.

#### Optical Characteristics

See the attached cabled G.657.A1 200 µm single-mode optical fibre data sheet.

## Identification

### Fibre Colours:

No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	turquoise
No.	13	14	15	16	17	18	19	20	21	22	23	24
Colour	blue	orange	green	brown	grey	white	red	natural	yellow	violet	pink	turquoise

### Tube Colours:



No.	1	2	3	4	5	6	7	8
Colour	blue	orange	green	brown	grey	white	red	black

### Sheath Colour:

The outer sheath colour is black.

### Sheath Marking:

The outer sheath is marked in 1-meter intervals by ink-jet method as follows:

**PRYSMIAN(SL) A-DQ(ZN)2Y <no. of tubes>x24 G.657.A1 200   <year> <batch number>**  
**<length marking>**

## Logistic

**Packing:** Wooden drums with protection.

**Standard Delivery Lengths <sup>(2)</sup>:** 4000 ± 200 m and 6000 ± 300 m.

(2) Other delivery lengths available upon agreement.

All optical measurements in accordance with ITU-T G650 recommendations

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