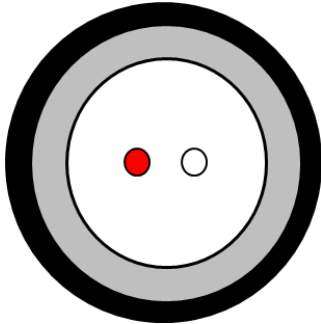


# Mini Xtended Drop Optical Cables A-D2Y

## Cable Design

IEC 60794-3-10



- not to scale -

- **Central Loose Tube:** thermoplastic material, containing optical fibres and filled with a suitable water tightness compound.
- **Longitudinal Water Tightness:** fully watertight construction.
- **Dual layer central tube design and HDPE sheath**

This loose tube dielectric optical cable is designed for outdoor installation in microducts by blowing or pulling techniques.

### Technical data

No. of Fibres		2		4	
Cable Diameter	mm	2.0 ± 0.2			
Cable Weight	kg / km	3.5			
Minimum Bending Radius	mm	Without Tension 17mm		Under Maximum Tension 25mm	
Temperature Range	°C	Installation -5 to +40	Transport & Storage -25 to +70	Operation -30 to +70	

Please refer to our General Installation, Safety & Handling recommendations before handling.

### Main characteristics

Test	Test Standard	Specified Value	Acceptance Criteria
Max. Installation Tension	IEC 60794-1-2-E1	40 N	$\Delta\alpha$ reversible
Crush	IEC 60794-1-2-E3	850N/100 mm	$\Delta\alpha$ reversible, no damage
Impact	IEC 60794-1-2-E4	1 J, 3 impacts, R= 300 mm	$\Delta\alpha$ reversible
Temperature Cycling	IEC 60794-1-2-F1	-30°C to +70°C	$\Delta\alpha \leq 0.1$ dB/km, reversible
Water Penetration	IEC 60794-1-2-F5B	Sample $\leq$ 1m, 0.1 bar	no water leakage in 24h

All optical measurements at 1550 nm.

### Optical Characteristics

See the attached cabled single mode optical fibre data sheet.

## Identification

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### Fibre Colours

No.	1	2	3	4
Colour	white	red	yellow	green

### Sheath Colour:

The outer sheath colour is black.

### Sheath Marking:

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

To be defined

## Logistic

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### Packing:

Plastic drums with protection.

### Delivery Lengths:

Standard delivery length up to 2 km.

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