

## 2LINE Mini cable

### 2LINE-CBL-AU-Mini-96-A1-d6,1

Article no.: TBD6-Mini

For outdoor use, can be blown into pipe systems.

- **Up to 576 fibres**
- **Very low attenuation in the cable**
- **Slim design**



Picture may differ from selected product

## Facts

### Advantages:

- Central strain relief element: Glass fibre reinforced plastic rod, with PE sheathing if required.
- Buffer tube: Made of PBT plastic, contains 12 fibres and is filled with a suitable waterproof gel or dry filling compound.
- Stranding: Loose tubes are arranged in SZ stranding around the central element.
- Longitudinal watertightness: Dry cable core with swellable (water-absorbing) elements to prevent water propagation.
- Tear thread: 1 red tear thread under the outer sheath.

### Dimensions:

- Standard cable lengths: 4 and 6 km (others available on request)

## Properties:

- Fibre type: 9/125 G.657.A1
- Colour code: DIN0888
- Minimum bending radius (unloaded):  $10 \times$  cable diameter
- Minimum bending radius (loaded):  $20 \times$  cable diameter
- Outer sheath: Black HDPE (high-density polyethylene).
- Temperature range (storage):  $-30\text{ }^{\circ}\text{C}$  to  $+70\text{ }^{\circ}\text{C}$
- Temperature range (operation):  $-30\text{ }^{\circ}\text{C}$  to  $+70\text{ }^{\circ}\text{C}$

## Tests/Standards:

- Tensile test IEC 60794-1-2-E1: tensile force for 1 min, reversible damping change, no damage
- Crush test IEC 60794-1-2-E3: 500 N / 10 cm, 1 min, reversible, no damage
- Impact test IEC 60794-1-2-E4: 2 J, bending radius = 300 mm, reversible change in damping, no damage.
- Repeated bending load IEC 60794-1-2-E6: Bending radius =  $20 \times D$ , 25 N, 25 cycles, reversible change in damping, no damage.
- Bending test IEC 60794-1-2-E11: Bending radius =  $15 \times D$ , 10 revolutions, 5 cycles, reversible change in damping, no damage.
- Torsion test IEC 60794-1-2-E7: 40 N, 5 cycles,  $\pm 1800^{\circ}$ , reversible attenuation change, no damage.
- Temperature change test IEC 60794-1-2-F1:  $-30\text{ }^{\circ}\text{C}$  to  $+70\text{ }^{\circ}\text{C}$ , 12 h per cycle,  $\Delta\alpha \leq 0.15\text{ dB/km}$ , no damage.
- Water ingress test IEC 60794-1-2-F5: 3 m cable, 1 m immersion depth, 24 h, no water ingress.

## Features

|                              |                                 |
|------------------------------|---------------------------------|
| Cable diameter:              | $6,1 \pm 0,3$                   |
| Fiber count:                 | 96                              |
| Number of tubes:             | 8                               |
| Weight:                      | 36 kg/km                        |
| Fiber diameter with coating: | $250 \pm 15\text{ }\mu\text{m}$ |
| Tensile force:               | 1000 N                          |