

2LINE Mini cable

2LINE-CBL-AU-Mini-288-A1-d9,3

Article no.: TBD3-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 °C to $+70\text{ °C}$
- Temperature range (operation): -30 °C to $+70\text{ °C}$

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 °C to $+70\text{ °C}$, 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:	$9,5 \pm 0,3$
Fiber count:	288
Number of tubes:	24
Weight:	$80 \pm 10\text{ kg/km}$
Fiber diameter with coating:	$250 \pm 15\text{ }\mu\text{m}$
Tensile force:	1000 N