Merocom Solutions

Access Junction Box (CAU) - 4 ports - 128/256 fusions_ IP68

Manual & Information

Contents

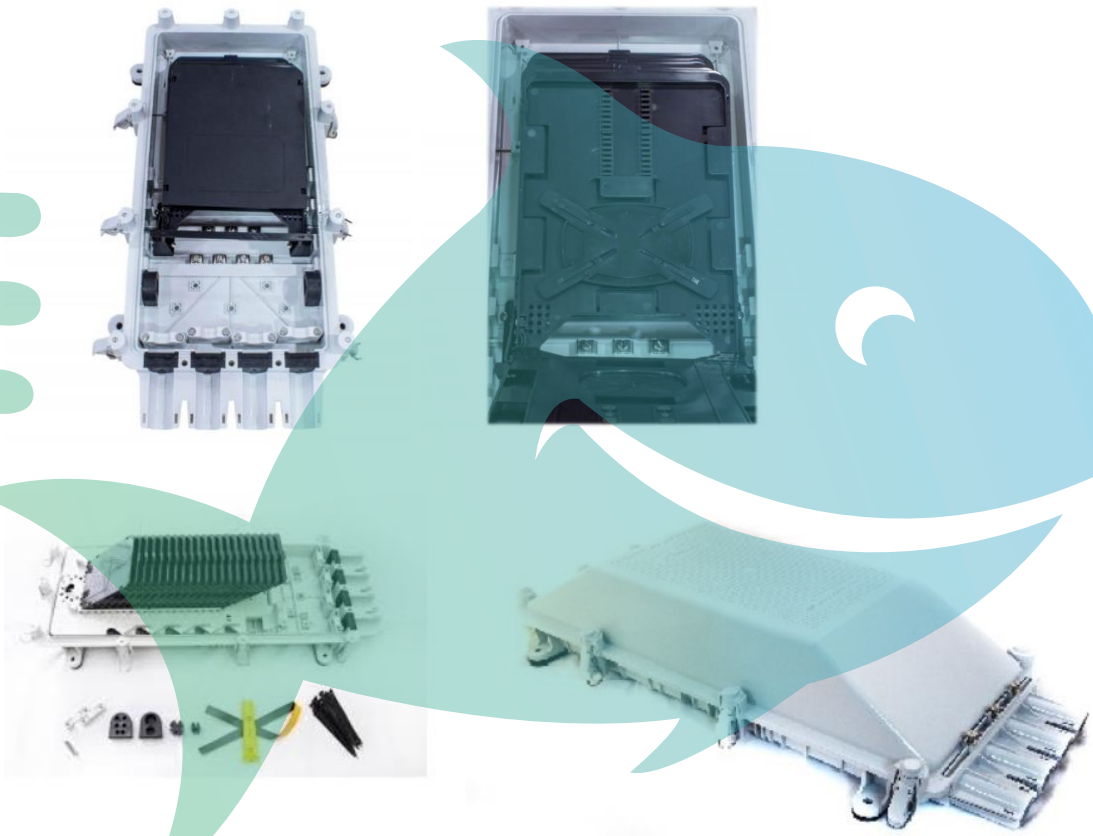
1 Features

1.1 Application /Construction

This closure box is a universal access junction box that allows the continuity and segregation of large capacity optical cables used in the deployment of optical power and transport networks..

The design of the box allows the mechanical continuity of the tensile elements of the cables and protects the fibers, the unions and the optical devices facilitating the organization of the splices and the storage of the fiber excess.

The box is airtight and resistant to outdoor conditions so it can be installed both outside and inside buildings in log houses, manholes, walls or cable galleries

Name	Universal Access Junction Box (UAC) - 4 ports - 128/256 fusions_ IP68
Aplication	Indoor and outdoor installation
Photos	

1.2 Characteristics

- ✓ 4 independent cable accesses at one end. Each of them allows the individualized entry of at least two large and medium capacity multi-fiber cables (double inputs) and up to 6 small capacity optical cables.
- ✓ The closing lid is fully assembled and removed without the need for special tools thanks to the clip type hermetic seal.
- ✓ The sealing of access cables to the box is made by rubber joints with pre-cut entries.
- ✓ Diameter inputs / outputs cables from 22 to 7 mm. Maximum 256 FO mergers.
- ✓ Rectangular, rectangular shaped splice trays, easily accessible with extendable flanges for better fiber storage up to 32 FO (double layer). Both the support block and the individual trays allow the 90degree turn and its interlocking in fixed positions to facilitate installation.
- ✓ The boxes can be opened, closed and manipulated without interrupting the circuits in operation. It allows to join and segregate cables without having to cut all the fibers as well as the adequate storage of the tubes and / or fibers left over from the cables.
- ✓ Axial tension Load per cable> D / 45 mm x 1000 N. D: cable diameter. 1 hour by cable. Cable displacement <3 mm
- ✓ Bending by wire: 30 ˚ flexion max. 500 N. Application of force: 400 mm from the end of the seal. No cycles: 5 / cable.
- ✓ Cable twist: Maximum torque 90˚ / max 50 N. Application of force: 400 mm from the end of the seal. No cycles: 5 / cable.
- ✓ Vibration Frequency: 10 to 15Hz. Speed: one octave per minute. Cycle: sinusoidal; amplitude: 3 mm (6 mm ridge to ridge). Cable clamping: 500 mm from the end of the seal. Duration: 2 hours per axis
- ✓ Static load> 1000 N (25 cm2, 10min)
- ✓ Operating temperature -25 to +70 C.
- ✓ Totally hermetic and resistant to weather conditions. Degree of protection IP-68.

1.3 Specifications.

Splice tray	8pcs, each tray 32core
Max Capacity	256core
Color	Grey RAL 7035
Working Temperature	-25°C - 70°C (5 to 95% relative humidity)