

CAG (Connection Assembly Group)

Overview

The CAG is to be used to integrate the RFTS into the existing fiber optic network of the customer (in-service or active fiber monitoring). The CAG combines and separates the wavelength of the Remote Test Unit (RTU) from the port multiplier outputs and the working wavelength ranges of the customer transmission system.

In general two different types of the CAG are provided. CAG type 1 is suitable for connecting Parallel Interface Module (PIM) or Serial Interface Module (SIM) to the customer fibers. CAG type 2 allows parallel connection of both: PIM and SIM.



Main Features

- Working wavelength range 1260 nm to 1660 nm
- RTU / Standard measurement wavelength 1650 nm (+/- 10 nm)
- Customer transmission wavelength range 1260 nm up to 1617,5 nm
- Low insertion loss, CAG type 1 <= 1,0 dB / CAG type 2 <= 5,0 dB
- High isolation, minimum 25 dB
- Up to 8 fibres (SC- style or LSH-style interface) / up to 16 fibres (LC-style interface) at 19"/1HU

General specifications

- Operation temperature: -20 °C to +70 °C
- Operation humidity: <= 85 % R.H. (no condensation)
- Operation altitude: <= 2000 m
- Dimension: 19" / 1HU, overall depth 300 mm (opt. connectors excluded)
- Weight: max. 10 kg (depending from CAG type and number of channels)