

## Cable assembly with straight break-away plug with overmolding

Size: 1, IP67, Keying: 0, Solder cup, Contact type: Pins, Signal, Overmolding, Cable type: PVC unshielded, Second side: Straight cut

### Basic information

|                    |                     |
|--------------------|---------------------|
| Part number        | CA51M070547XA002000 |
| Category           | Cable Assembly      |
| Type of connector  | Plug                |
| Assembly situation | Straight            |
| Size               | 1                   |

### Contact insert description

|                      |            |
|----------------------|------------|
| Special features     | Array      |
| Transmission type    | Signal     |
| Number of contacts   | 5          |
| Contact type         | Pins       |
| Contact diameter     | 0.9 mm     |
| Termination type     | Solder cup |
| Termination diameter | 0.85 mm    |

Reverse gender on request

### Technical information

|                                              |                             |                                            |
|----------------------------------------------|-----------------------------|--------------------------------------------|
| Max. current single contact                  | 7.5 A                       | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Max. current insert                          | 5.625                       | VDE 0298-4:2003                            |
| Test voltage                                 | 1.05 kV AC                  |                                            |
| Max. creepage distance (contact to contact)  | 0.8 mm (Contact to housing) |                                            |
| Max. clearance distance (contact to contact) | 0.8 mm (Contact to contact) |                                            |

All shown connectors are rated to a safety extra low voltage (SELV) of less than 50 V AC / 75 V DC, according to IEC 61140:2016 (VDE 0140-1:2016) Protection against electric shock - Common aspects for installation and equipment. In case other standards rule a specific use of the connector, the application specific safety criteria shall be considered first. In this context, lower voltage ratings may be valid. Warning: Danger to life for operating voltages above 50 V AC / 120 V DC!

## Cable description

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| Cable outlet           | Overmolding                                            |
| Bend relief color      | Gray                                                   |
| Cable type             | PVC unshielded                                         |
| Cable color            | White                                                  |
| Cable diameter         | 4.9 mm                                                 |
| Assembly length        | 2000 mm                                                |
| Second side            | Straight cut                                           |
| Cable color code       | <a href="#">ODU-StandardCables-ColorCodeBelden.pdf</a> |
| UL style               | 2464                                                   |
| Conductor              | Tin plated copper                                      |
| Wire cross section AWG | AWG 22                                                 |

## Mechanical and environmental data

|                            |            |
|----------------------------|------------|
| Locking principle          | Break-Away |
| Mating cycles              | 5000       |
| IP class                   | IP67       |
| Max. operating temperature | 80 °C      |
| Min. operating temperature | -10 °C     |

\*IP protection class refers to mated condition

## Material and surface treatments

|                    |                           |
|--------------------|---------------------------|
| Material           | PSU gray                  |
| Insulator material | same                      |
| Contact material   | Cu-alloy with gold finish |

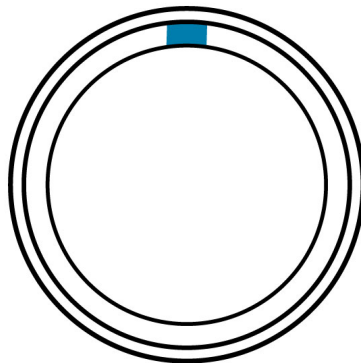
The contact arrangement of an ODU data transmission connector differs from a standard data transmission connector due to the robust ODU specific design. However, the ODU design meets the electrical specifications of the respective standard data transmission protocol.

ODU MEDI-SNAP® and MINI-SNAP® are UL-approved (E110586).

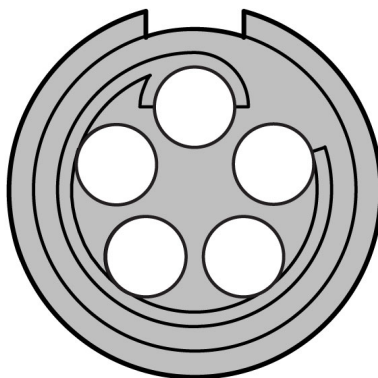
ODU reserves the right to make changes based on the current state of knowledge without prior notice without being obliged to provide replacement deliveries or refinements of older designs.

All shown connectors are defined without breaking capacity (COC) according to IEC 61984:2008 (VDE 0627:2009).

**CODING:** 0 °



**POSITIONS:** 5 Positions



#### Further technical information and downloads

[3D-File \[STP File\]](#)