

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	CA51M071047X6002000
Category	Cable Assembly
Type of connector	Plug
Assembly situation	Straight
Size	1

Contact insert description

Special features	Array
Transmission type	Signal
Number of contacts	10
Contact type	Pins
Contact diameter	0.5 mm
Termination type	Solder cup
Termination diameter	0.45 mm

Reverse gender on request

Technical information

Max. current single contact	4 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Max. current insert	2.2	VDE 0298-4:2003
Test voltage	0.6 kV AC	
Max. creepage distance (contact to contact)	0.5 mm (Contact to housing)	
Max. clearance distance (contact to contact)	0.5 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	5.0 mm
Assembly length	2000 mm
Second side	Straight cut
Cable color code	ODU-StandardCables-ColorCodeBelden.pdf
UL style	2464
Conductor	Tin plated copper
Wire cross section AWG	AWG 28

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

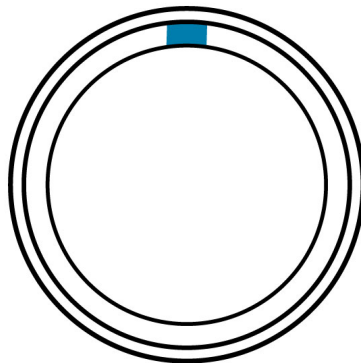
The contact arrangement of an ODU data transmission connector differs from a standard data transmission connector due to the robust ODU specific design. However, the ODU design meets the electrical specifications of the respective standard data transmission protocol.

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

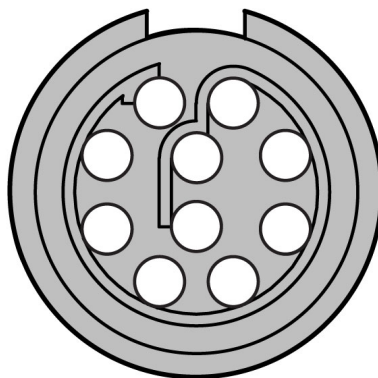
ODU reserves the right to make changes based on the current state of knowledge without prior notice without being obliged to provide replacement deliveries or refinements of older designs.

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

CODING: 0 °



POSITIONS: 10 Positions



Further technical information and downloads

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