

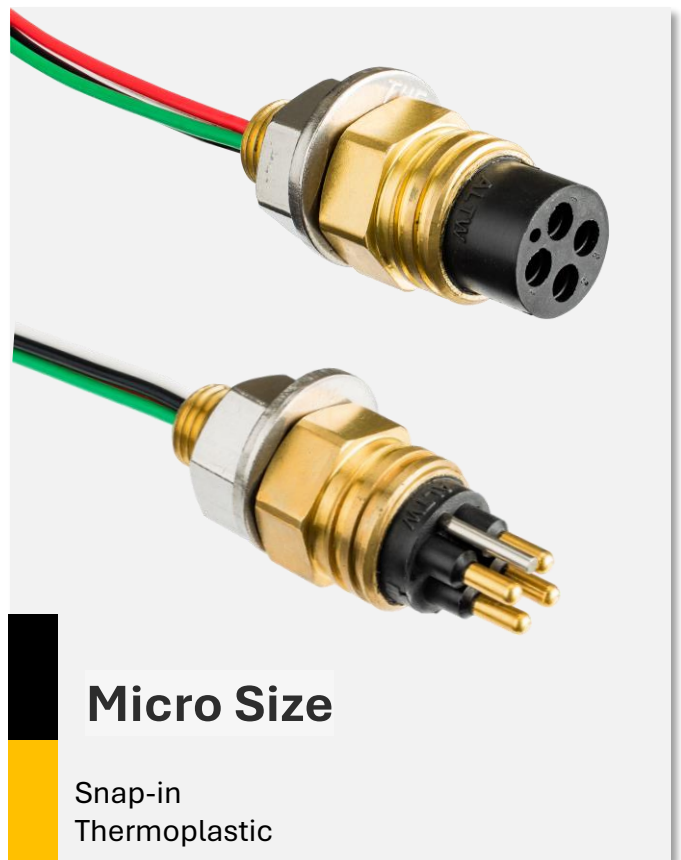
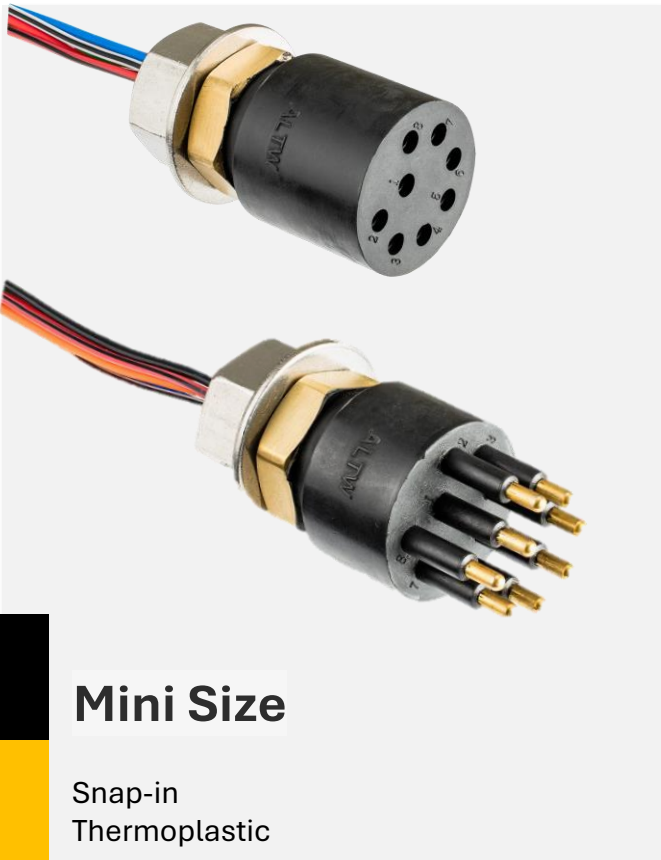
Amphenol LTW

DEEP TRONICA

Underwater Connector

**Dry-mate or
Wet-mate**

- Mating style: snap-in
- Available in power and signal
- Contact density up to 27 contacts
- High quality PEEK thermoplastic shell
- Up to 600bar or 6000m depth of deployment area



Unrivalled InterConnects for Harsh Environments

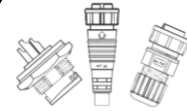
About ALTW

**3**

Production Sites
(Taiwan, China, Mexico)

**30+**

Market Applications

**90,000+**

Products

Since 1993, Amphenol LTW Technology “ALTW” lives and breathes to create, innovate, design and produce “***unrivaled interconnects for harsh environments***”. With over 300 worldwide patents, not only does ALTW offer the broadest and widest range of rugged interconnects in the industry but also customization with the mission of “Customer Satisfaction First”. Undoubtedly, ALTW is the leader in rugged interconnects, highly recognized for its uncompromising quality, short lead time, fast and tailored service and its very competitive pricing.

Regardless of the challenging environments that your products will be subject to; there is a very good chance that you will find what you are looking for with ALTW.

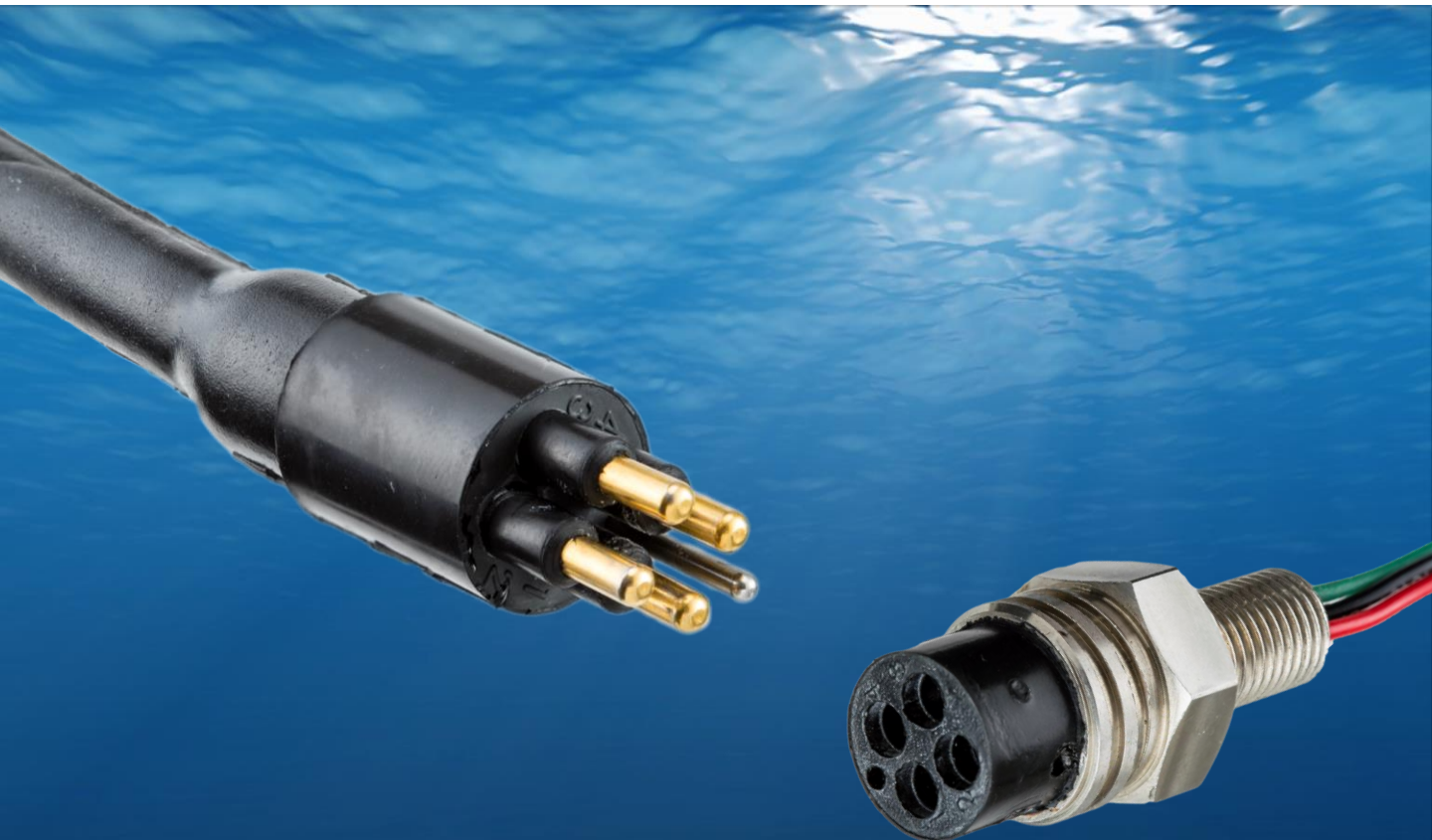
Unrivaled InterConnects for Harsh Environments

DeepTronica Connector

DeepTronica® series offers 2 sub-series: Mini Size and Micro with Circular types and up to 7000m depth. These dry and wet mate connectors solve the common issues met in shallow water applications such as poor sealing and corroded contacts due to low pressure cycles.

With high quality thermoplastic shell, two O-rings and no corrosion, uniquely designed to be mated or unmated in dry and wet environments. Overmolded cable assemblies can be provided for a quick, reliable and easy to use for shallow water immersion applications.

- ❖ Versatile: full interconnect solution
- ❖ Underwater connector up to 7000m depth
- ❖ Durable: designed for long term use
- ❖ Long service life 500 mating cycles



Product Range Overview

SUB SERIES	Mini Size	Micro Size
Mating Style	Snap-in	Snap-in
Plastic Version	✓	✓
Metal Version	-	-
No. of Contacts	3 ~ 12	3 ~ 12
Plating of Contacts	Gold Plated	Gold Plated
Operating Voltage (AC/DC)	300V	600V
Nominal Current	5A, 10A	10A
Operating Temperature	Air: -40°C ~ +60°C Water: -4°C ~ 60°C	
Fasten Style of Nut	Rear	Rear
Receptacle	-	-
Receptacle with Cable	✓	✓
Field Serviceable/Installable	-	-
Overmolded with Cable	✓	✓
Accessories	-	-
Mating Cycles (Pin Contact)	500	500
IP Rating	4000M, 7000M	4000M, 7000M
Salt Spray (Connector, Mated)	144h	144h
UV Resistant	-	-
Flammability Rating	-	-
Vibration Resistant	-	-
RoHS Compliant	✓	✓
REACH Compliant	✓	✓
Certifications	-	-
Applicable Wire Gauge	22 ~ 18AWG	18 ~ 16AWG

Applications & Part Number

Market	Application	
Marine	• Drilling Systems	• ROTV
	• Seaport	• Buoys
	• Submarine	• Underwater Vehicles
	• ROVs	• Underwater Equipment
	• Marine Renewable Energy	• Diving

HCN Hadopelagic Circular Mini

- Maximum Voltage: 600 VDC
 - Current Rating @contact: 10A, 5A+10A
 - Depth Mating: 800 bar (Up to 7000 m)
 - Temperature: -40°C ~ 60°C (Air)
 -4°C ~ 60°C (Water)
- ② No. of Contacts: G2, G3, G4; 01 ~ 25
- * Panel wire length: 30 cm
Plug cable length: 60 cm

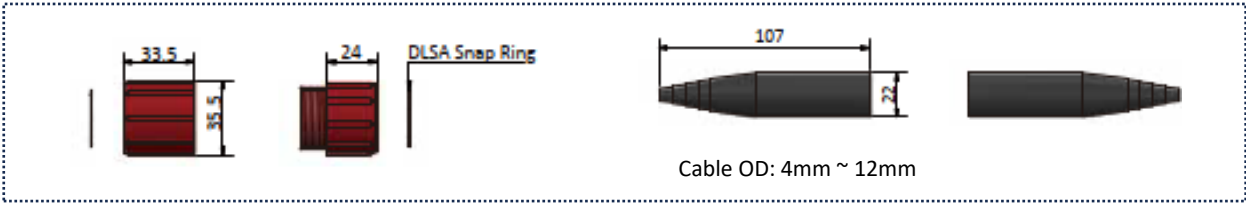
> For Panel



> For Cable



Accessories



Part Number

HCM Hadopelagic Circular Micro

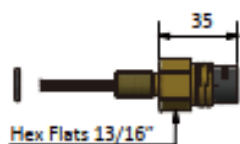
- Maximum Voltage: 300 VDC
- Current Rating @contact: 5A, 10A
- Depth Mating: 800 bar (Up to 7000 m)
- Temperature: -40°C ~ 60°C (Air)
-4°C ~ 60°C (Water)

② No. of Contacts: G2, G3, G4; 01 ~ 21

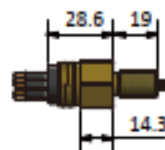
* Panel wire length: 30 cm

Plug cable length: 60 cm

> For Panel



DT-HCM-②RFF-RHA30



DT-HCM-②RMM-RHA30

> For Cable

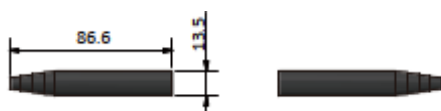


DT-HCM-②BFF-RLA60

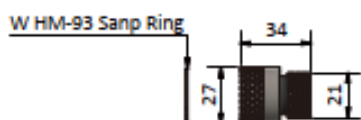
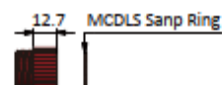
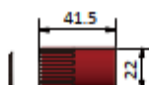


DT-HCM-②BMM-RLA60

Accessories



Cable OD: 2.5mm ~ 6mm



Part Number

ACN Abyssopelagic Circular Mini

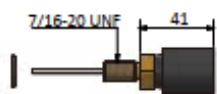
- Maximum Voltage: 600 VDC
- Current Rating @contact: 10A, 5A+10A
- Depth Mating: 300 bar (Up to 6000 m)
- Temperature: -40°C ~ 60°C (Air)
-4°C ~ 60°C (Water)

② No. of Contacts: G2, G3, G4; 01 ~ 25

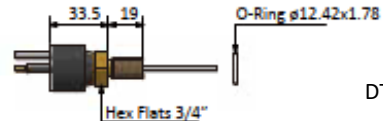
* Panel wire length: 30 cm

Plug cable length: 60 cm

> For Panel



DT-ACN-②RFF-RHA30

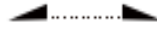


DT-ACN-②RMM-RHA30

> For Cable

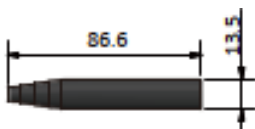


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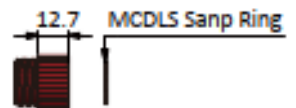
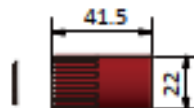


DT-ACN-②BMM-RLA60

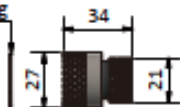
Accessories



Cable OD: 2.5mm ~ 6mm



W HM-93 Sanp Ring



Part Number

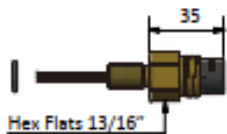
ACM Abyssopelagic Circular Micro

- Maximum Voltage: 300 VDC
- Current Rating @contact: 5A, 10A
- Depth Mating: 300 bar (Up to 6000 m)
- Temperature: -40°C ~ 60°C (Air)
-4°C ~ 60°C (Water)

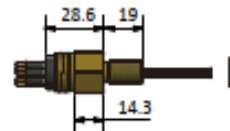
② No. of Contacts: G2, G3, G4; 01 ~ 21

* Panel wire length: 30 cm
Plug cable length: 60 cm

> For Panel



DT-ACM-②RFF-RHA30

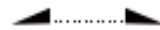


DT-ACM-②RMM-RHA30

> For Cable

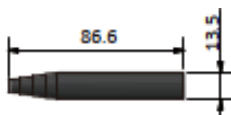


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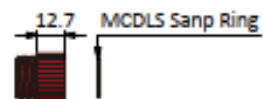
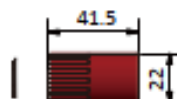


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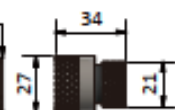
Accessories



Cable OD: 2.5mm ~ 6mm



W HM-93 Sanp Ring





Amphenol LTW

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