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GEOSPACE HYDROconn

SERIES IV CONNECTORS

INTERNAL/EXTERNAL TOTALLY BONDED CONNECTOR

PRODUCT DESCRIPTION

Geospace Technologies offers a complete line of Hydroconn connectors specifically designed and manufactured to meet the rugged requirements for in pit, underwater applications. Geospace's patented design ensures total moisture sealing for even the toughest underwater applications, yet they are easily re-entered for troubleshooting a transponder or for a meter swap out. Versions are available that utilize molded in place or potted terminations for sealing. A PCB/Panel Mount version specifically designed and manufactured to be mounted on water meter endpoints, MTUs, or any other place a Hydroconn IV Plug can be connected is also available. All versions are totally intermateable with the Itron In line Connector.

FEATURE HIGHLIGHTS

- Special manufacturing process designed to vastly improve cable/connectors reliability for rugged field applications
- Post molded strain relief from cable to connector with potted option for PVC cable
- Flexible TPU and Glass-filled TPU extruded cable jacket and molded connector
- Design prevents misalignment of damaged pins
- Gold-coated pins prevent corrosion and reliable electronic connection

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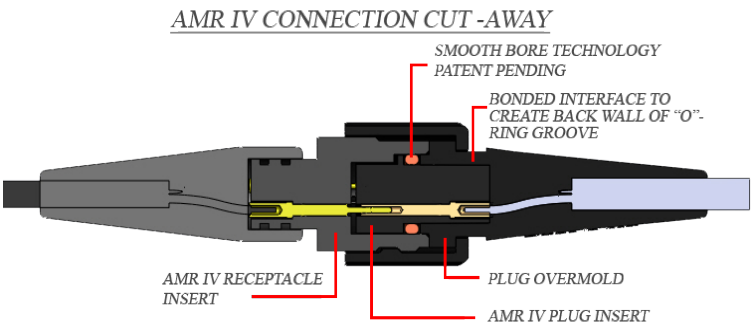
MECHANICAL SPECIFICATIONS

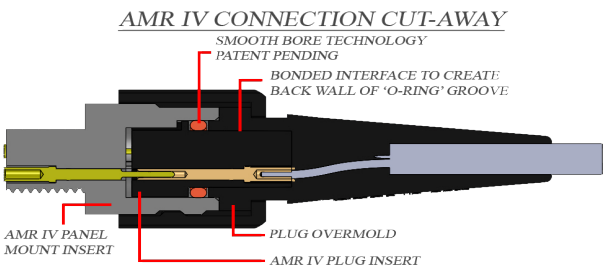
Connector Material	Flexible TPU and Glass Filled TPU
Contacts	Machined 22 AWG Copper Alloy
Contact Plating	5µ inches gold over 50µ Ni
Temperature Rating	-20°C to +80°C, Low temp cable flexibility
Cable Jacket *(Cable Connectors Only)*	TPU
Pressure Rating *(Cable Connectors Only)*	Submersible to 30 meters
Sealing Method	Serviceable O-ring in plug with no parting line in groove

ELECTRICAL SPECIFICATIONS

Insulator	Glass filled thermoplastic
Current Rating	7.5 amps
Voltage Rating	300 V AC/RMS 50Hz
Insulation Resistance	5000 MΩ at 500 VDC

US Patent 9,368,907





SOLUTIONS FOR A SMARTER FUTURE

Specifications subject to change at sole discretion of Geospace Technologies.