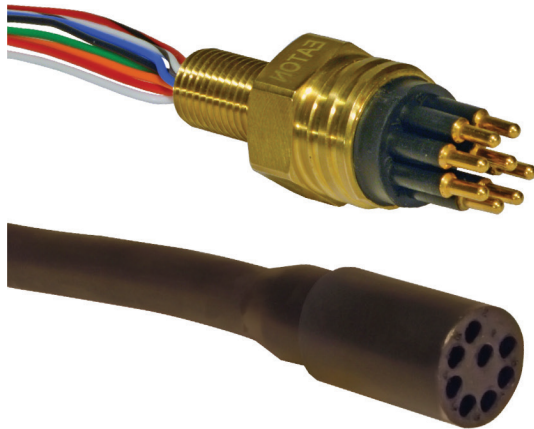


Subsea connectors and cable assemblies

Burton™ Wet-Mate subsea connectors



Overview

Wet-Mate connectors and cable assemblies are designed to withstand the challenging requirements of deep-sea applications. This versatile family of connectors is offered in bulkhead and inline configurations, as well as dummy plugs and complete overmolded cable assemblies.

- Available in seven industry standardized contact arrangements, 3 to 8 contacts in shell size A, and 10 to 16 contacts using shell size M
- High density
- High current – up to 7A per contact
- Bulkhead connectors are available in brass, stainless steel, aluminum, titanium and customer-defined materials
- Industry standard mating interface
- Color coded leads simplify wire routing
- Locking devices are available, but are not required for installation
- Capable of withstanding pressures up to 10k psi, mated or open face

Benefits

- Standard interconnect solution for both power and signal requirements
- Easy installation, particularly with high pin count interfaces

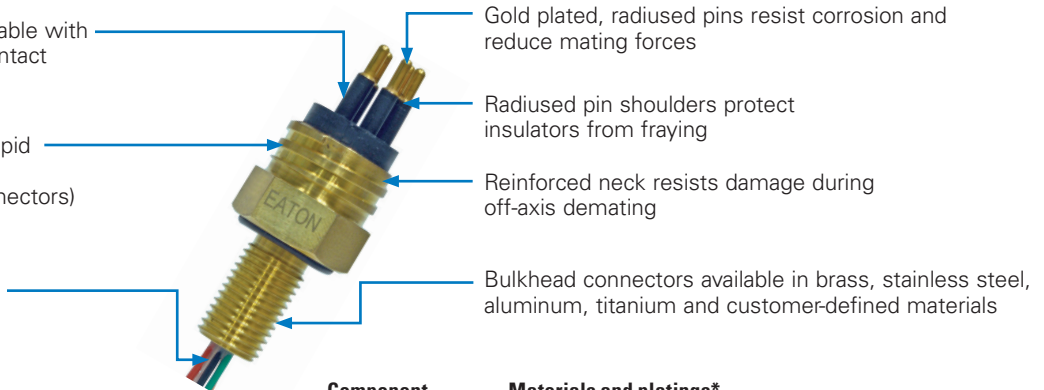
Performance

Rated pressure	10,000 PSI mated or open face
Operating temperature	-40° to 60°C (25° to 140°F)
Mating cycles	1,000
Hi-Pot voltage	
3 & 4 Contacts	2000 VDC
5 to 16 Contacts	1500 VDC
Insulation resistance	>200 Megaohms @ 1000 VDC

Miniaturized solutions available with seven industry-standard contact arrangements

Integral threads facilitate rapid locking-sleeve installation (shell size M bulkhead connectors)

Color coded leads simplify conductor tracing



Gold plated, radiused pins resist corrosion and reduce mating forces

Radiused pin shoulders protect insulators from fraying

Reinforced neck resists damage during off-axis demating

Bulkhead connectors available in brass, stainless steel, aluminum, titanium and customer-defined materials

Component	Materials and platings*
Bulkhead shell	Brass (UNS C36000), Stainless Steel (UNS 31600/UNS 31603), Titanium (6AL/4V, UNS R56400), or Aluminum (6061-T6/T651, UNS A96061)
Body	Proprietary neoprene blend
Contacts	Gold-plated beryllium copper C173/C172 per ASTM B196
Orientation pin	303/304 Stainless steel
Cable jacketing	Neoprene
Wire insulation	Bulkhead connectors: extruded TFE, inline configurations: EPDM
Locking sleeves	Delrin bodies and 302 stainless-steel snap rings
Dummy plugs	Proprietary neoprene blend

*Contact Eaton to discuss application-specific materials and platings

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For more information, contact us:
eaton.com/interconnect-support

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