

Your Global Automation Partner

TURCK

Overmolded Mil-Spec Connectors for Oil and Gas



Overmolded Mil-Spec Connectors with Extremelife®-60 Cables

Turck's overmolded Mil-Spec connectors, when paired with our Extremelife-60 cables, offer a robust and reliable solution for the demanding applications of the oil and gas industry.

The overmolding process used to create our Mil-Spec connectors ensures a superior seal protecting against ingress susceptibility. With pre-assembled connectors that are 100% factory tested, the concern of miswiring and excessive labor from more traditional assembled connectors is eliminated.

Our Extremelife-60 cables are made from a proprietary jacket material that offers a solution unlike any other cable

on the market. This cable type holds up extraordinarily well in harsh environments and remains easy to work with in extremely cold environments while also providing a broad range of approvals that are not typically found on cold rated cables. The design of this cable meets the same test specifications as metal clad and carries the UL tray cable approval for exposed runs, offering superior crush, impact, and abrasion resistance.

The combination of our overmolded Mil-Spec connectors and Extremelife-60 cables is the optimum solution for the oil and gas industry. When reliability in harsh environments is an absolute necessity, Turck finds a way.

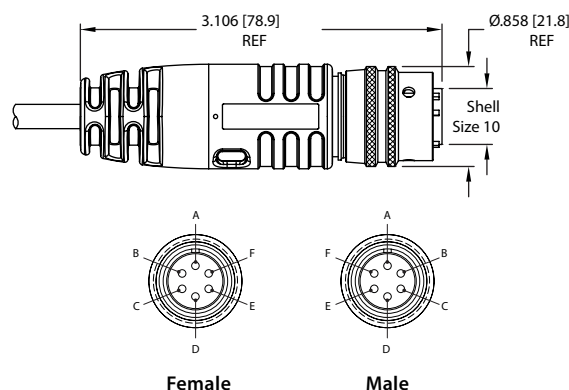
Advantages

- Available in threaded, bayonet, and reverse bayonet
- Robust and reliable overmolded connector
- Prewired and 100% factory tested
- Shell sizes from 8 to 24
- Wide range of insert arrangements
- Cable is UL approved for -60 °C cold bend, -40 °C cold impact, and TC-ER approved
- Stays flexible and easy to work with, even at cold temperatures
- Passes FT4 flame test
- Rated NEMA 1, 3, 4, 6P and IP67, IP68
- Customized configurations available

Overmolded Mil-Spec Connectors

Common Solutions for Oil and Gas

- Bayonet (MIL-DTL-26482) connector
- Shell size: 10
- Insert arrangement: 10-6
- Black PVC plug body overmold material
- Extremelife-60 cables
- Wire gauge sizes 18 and 20 AWG



Cable Construction	Cable Jacket Color	Wiring Code	Gender	Part Number	Pinout
2 STP (20 AWG), 1 GND (20 AWG)	Black	A	Female	MS 3116M-10-6S-2175XL-*/A	A = RD D = WH B = GN E = Drain (RD/GN pair) C = BK F = Drain (BK/WH pair)
			Male	MS 3116M-10-6P-2175XL-*/A	
			Male to Female	MS 3116M-10-6S-2175XL-*/-10-6P/A	
		B	Female	MS 3116M-10-6S-2175XL-*/B	A = RD D = WH B = GN E = GN/YE C = BK F = Drain (RD/GN pair), Drain (BK/WH pair)
			Male	MS 3116M-10-6P-2175XL-*/B	
			Male to Female	MS 3116M-10-6S-2175XL-*/-10-6P/B	
	Blue	A	Female	MS 3116M-10-6S-2174XL-*/A	A = RD D = WH B = GN E = Drain (RD/GN pair) C = BK F = Drain (BK/WH pair)
			Male	MS 3116M-10-6P-2174XL-*/A	
			Male to Female	MS 3116M-10-6S-2174XL-*/-10-6P/A	
		B	Female	MS 3116M-10-6S-2174XL-*/B	A = RD D = WH B = GN E = GN/YE C = BK F = Drain (RD/GN pair), Drain (BK/WH pair)
			Male	MS 3116M-10-6P-2174XL-*/B	
			Male to Female	MS 3116M-10-6S-2174XL-*/-10-6P/B	
2 STP (18 AWG), 1 GND (18 AWG)	Gray	A	Female	MS 3116M-10-6S-2111XL-*/A	A = RD D = WH B = GN E = Drain (RD/GN pair) C = BK F = Drain (BK/WH pair)
			Male	MS 3116M-10-6P-2111XL-*/A	
			Male to Female	MS 3116M-10-6S-2111XL-*/-10-6P/A	
		B	Female	MS 3116M-10-6S-2111XL-*/B	A = RD D = WH B = GN E = GN/YE C = BK F = Drain (RD/GN pair), Drain (BK/WH pair)
			Male	MS 3116M-10-6P-2111XL-*/B	
			Male to Female	MS 3116M-10-6S-2111XL-*/-10-6P/B	
	Black	C	Female	MS 3116M-10-6S-2176XL-*/C	A = BN D = WH B = BU E = Drain (BN/BU pair) C = BK F = Drain (BK/WH pair)
			Male	MS 3116M-10-6P-2176XL-*/C	
			Male to Female	MS 3116M-10-6S-2176XL-*/-10-6P/C	
		D	Female	MS 3116M-10-6S-2176XL-*/D	A = BN D = WH B = BU E = GN/YE C = BK F = Drain (BN/BU pair), Drain (BK/WH pair)
			Male	MS 3116M-10-6P-2176XL-*/D	
			Male to Female	MS 3116M-10-6S-2176XL-*/-10-6P/D	