

Ruggedized Connectors

Circular Mating Connectors for Harsh Environments

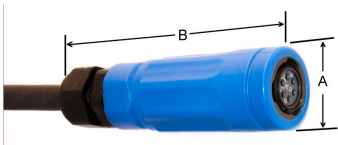


Designed for harsh environments where dependability is critical.

- Submersion tested to 50 foot depth over 5 days (IP68)
- Easy to grip and securely lock body
- Various cable entry sizes available
- Offered with or without tethered protective cap
- Can be purchased individually or assembled with cable
- Mates with 6-Pin Bayonet Style Connector -Shell Size 10



Connectors for 2 - 5 mm diameter cables



Part # **100027.001**

Mating connector (includes tethered protective cap)

A= .98"

B= 3.30"

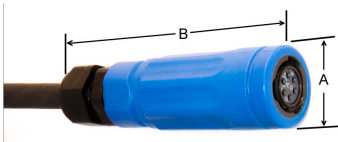
Part # **100027.011**

Mating connector only (no protective cap)

A= .98"

B= 3.30"

Connectors for 3 - 7 mm diameter cables



Part # **100027.021**

Mating connector (includes tethered protective cap)

A= .98"

B= 3.37"

Part # **100027.031**

Mating connector only (no protective cap)

A= .98"

B= 3.37"

Materials of Construction

Shell: Aluminum alloy

Finish: Hard anodized (non-conductive)

Insert: Neoprene elastomer

Contacts: Copper alloy with Gold plating

Housing: High Impact glass-filled Nylon

Coupling ring seal: Teflon over silicone

Mechanical

Durability: 500 mating cycles (minimum)

Viatran

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98DS100027b

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Circular Mating Connectors for Harsh Environments

Electrical

Insulation resistance: 5000 Mohm
Dielectric withstanding voltage: 2300V
Contact resistance: 3 mohm
Current rating per contact: Size 20 = 7.5 A

Environmental

Working temperature: -55°C to +125°C
Sealing: IP68

Cable Assemblies

Cable Assy P/N	Cable Jacket Material	Pin Outs					
		A	B	C	D	E	F
230488.002	Silicone 4 conductor	RED	BLACK	N/C	N/C	WHITE	GREEN
230488.012	Silicone 4 conductor	RED	BLACK	WHITE	GREEN	N/C	N/C
230488.022	Silicone 4 conductor	RED	GREEN	BLACK	WHITE	N/C	N/C
230489.003	Polyurethane 4 conductor	RED	BLACK	N/C	N/C	WHITE	GREEN
230489.013	Polyurethane 4 conductor	RED	BLACK	WHITE	GREEN	N/C	N/C
230489.023	Polyurethane 4 conductor	RED	GREEN	BLACK	WHITE	N/C	N/C
230490.003	Teflon 2 conductor	RED	BLACK	N/C	N/C	N/C	N/C
230490.013	Teflon 4 conductor	RED	GREEN	BLACK	WHITE	N/C	N/C
230490.033	Teflon 4 conductor	RED	BLACK	N/C	N/C	WHITE	GREEN
230490.023	Teflon 6 conductor	RED	GREEN	BLACK	WHITE	BLUE	ORANGE

Note: The Cable Assembly part numbers shown above include (1) 100027.021 connector and 8 feet of cable as standard.
To order cable lengths longer than standard, please contact our Application Engineers for assistance.

Custom Cable Assemblies

Many connector options are available.
Please contact our Application Engineers to configure a cable assembly to meet your needs.



Please note: The components listed on this Data Sheet are in accordance with RoHS 2011/65/EU

Information is accurate to the best of Viatran's knowledge. We reserve the right to change specifications at any time. Please contact Viatran for specific order inquiries.

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