

Raychem Spin Lock Variable Angle Backshell Single High-Performance, Low-Resistance Termination with

Flexible Cable Angles

Raychem Spin Lock Variable Angle Backshell

High-Performance, Low-Resistance Termination



The Raychem Spin Lock variable angle backshell enables straight, 45° and 90° cable terminations with the same part. The connector backshell swiveling body rotates around the axis of the cable bundle and locks in position, minimizing stress on the wire bundle and providing more robust strain relief than other termination systems.

VERSATILE

- Variable angle backshell enables straight, 45° and 90° cable terminations with the same part
- Available in a variety of material and plating options

RUGGED RELIABILITY

- High performance, low resistance shield termination provided by the Tinel-Lock ring system or bandstrap
- Sealed termination achieved via a standard heat-shrinkable molded shape and adhesive system
- Saddle clamp strain relief or heatshrinkable molded shape provides strain relief and sealing

APPLICATIONS

- Military and Commercial Aerospace
- Military Ground Systems
- Military Marine
- Commercial Ships and Off-Shore Marine

ELECTRICAL/MECHANICAL

- DC Resistance: $2.5 \text{ m}\Omega$ max.
- Salt Spray: EIA 364-26 test condition letter A (nickel-plated parts) or D (cadmium plating)
- Vibration: EIA 364-28, condition IV, test condition letter I
- Shock: EIA 364-27, condition C
- Cable Retention: EIA 364-38, method A

.062 - .500 Cable: 12.5 lb. .501 - .750 Cable: 25.0 lb. .751 - 1.500 Cable: 37.5 lb. 1.501 - 2.500 Cable: 50.0 lb.

MATERIALS

- Base: Aluminum or stainless steel
- Plating: Electroless nickel, cadmium, zinc nickel, or passivated

TE SPECIFICATIONS AND TEST REPORTS

- Application Specifications:
- Installation, Saddle Clamp Strain Relief: MIP-103-1 Installation, Molded Part Strain Relief: MIP-103-2
- Product Specification: MPS-103
- Additional Documentation: SLC40, SLC41, SLC54, SLM40, SLM41, SLM54, CH00-0250-019

APPLICATION TOOLING

- Tinel Lock Installation Kit: RH-3960-1 (120 V) or AD-5000 (240 V)
- Torque Wrench
- Heat Gun (for versions with heat-shrinkable molded parts)

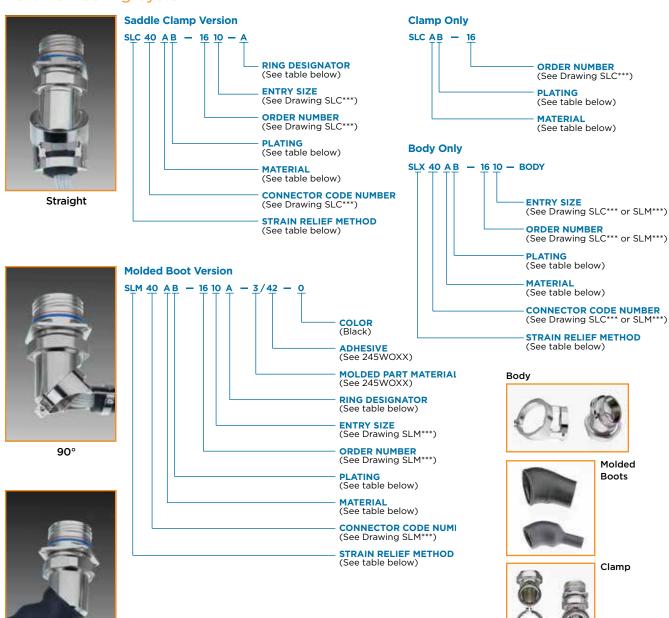
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Get your product to market faster with a smarter, better solution.



Part Numbering System





Strain Relief Method	M	Molded Part
	С	Clamp Strain Relief
	х	Body Only
Material	Α	Aluminum Alloy
	S	Stainless Steel (Contact TE)
Plating	В	Cadmium Olive Drab to SAE-AMS-QQ-P-416
	С	Electroless Nickel to SAE-AMS-C-26074, Class 3 or 4, Grade A
	z	Black Zinc Nickel to ASTM B841, Grade 1, Type D
	J	Passivated per SAE-AMS-QQ-P-35
Ring Designator	Α	Al
	В	BI
	С	CI
	D	Band Strap (Contact TE)
	Leave	Blank for No Band or Tinel-Lock Ring

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North America +1 800 522 6752 North America (Toll) +1 717 986 7777 EMEA/South Africa +800 0440 5100 EMEA (Toll) +31 73 624 6999 India (Toll-Free) +800 440 5100 Asia Pacific +86 400 820 6015

Japan +81 044 844 8180

Australia +61 2 9554 2695

New Zealand +64 (0) 9 634 4580

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Consult TE for the latest dimensions and design specifications.

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