

# 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



## 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

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.

## ELECTRICAL/MECHANICAL

- DC Resistance: 2.5 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)

**TE Components...TE Technology...TE Know-how..** 

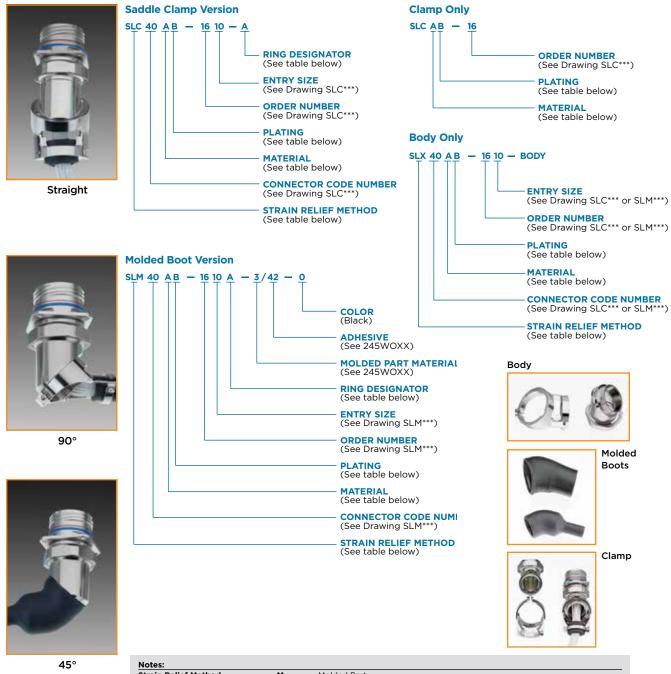
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#### **Raychem Spin Lock Variable Angle Backshell**



# Part Numbering System



Strain Relief Method	м	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	AI
	в	BI
	с	CI
	D	Band Strap (Contact TE)
	Leave Blank for No Band or Tinel-Lock Ring	

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