



General Information

Kit Part Number:	1-2110842-1
Description:	Adapters Combo Kit
Application:	C4ISR, Commercial Aerospace, Ground Defense, Military Marine, Military/Aerospace, Missile Defense and Weapons
Family:	Tinel-Lock Adapters
TE Brand:	RAYCHEM Products
Solution:	High Performance Sealing and Strain Relief
Product Type:	Adapter, Molded Parts
Number of Pieces:	4
RoHS:	No

Specifications

Adapter Family:	TXR54
Adapters:	Tinel-Lock, Straight, Angle, High Performance, Strain Relief
Angle:	Straight
Body and Plating:	Cadmium Plating
Braid Sock:	Attached
Color:	Black
Entry Size:	12
Finish:	Electroless Nickel
Material:	Semi-Rigid Modified Polyolefin, Aluminum Alloy
Molded Part Type:	Molded Boot
Operating Temperature:	-55 to +120 Â°C
Size:	53
Tinel-Lock Ring:	Unattached, Attached
Tool Included:	No

Product Highlights

The Tinel-Lock adapter utilizes TE Connectivity Tinel ring to terminate the overall shield to the adapter. The Tinel ring is a low profile, high-strength, shape-memory-alloy shield termination device available in many sizes to accommodate various entry sizes and shield configurations. All wire termination products are housed inside transparent heat-shrinkable insulation sleeves, which provide inspect ability and can provide various levels of environmental protection. Heat-Shrinkable molded parts come with adhesive coating, form a watertight seal, protecting cables and equipment from corrosion and mechanical abuse while, providing excellent electrical insulating properties.

Features and Benefits

- This termination system consists of a modified spin-coupling adapter with a Tinel-Lock ring
- The Tinel-Lock ring is made from a special shape memory metal that shrinks uniformly when heated The Tinel-Lock ring is used to terminate copper cable braid directly onto the rear of the adapter
- The adapter entry size and ring designator must be selected to suit the cable diameter and braid type. The resulting 360° termination withstands severe shock, vibration, temperature cycling, and corrosion
- Straight, 45°, and 90° configurations are available
- Raychem molded boots are used widely in ship building and meet the requirements of Lloyd Register of Shipping, American Bureau of Shipping (ABS), DOD-STD-2003, and SAE-AS-81465/1
- The SolderShield Flux-coated, solder-impregnated copper shield braid encased in a transparent heat-shrinkable insulation sleeve provides a controlled soldering process, encapsulation, inspect ability, strain relief, and insulation



Applications

- C4ISR
- Commercial Aerospace
- Ground Defense
- Military Aerospace
- Military Marine
- Missile Defense
- Offshore / Civil Marine
- Space



Bill of Materials

Part No.	Qty In Kit	Description	Datasheet	P/N Details	Search Distributors Inventory
TR12AI-TINEL-LOCK-RING		Tinel-Lock Ring		Details	Search
D-150-1008	1	SolderShield Splice		Details	Search
202K153-3/86-0	1	Molded Boot		Details	Search
TXR54AB00-2412AI2	1	Tinel Lock Braided		Details	Search

Recommended Tool

Part No.	Included in Kit
HL1910E	No
HL2010E	No
IR1759 MiniRay	No
AD-5000	No
AD-5010	No
HG-501A	No





