ARMADILLO® Overview

ARMADILLO®

**Born Tough...
Bred Smart
Tames Costs as Well as Nature**

ARMADILLO Stainless:

For over 30 years, our Stainless Steel Splice Case has been the industry standard, with millions of successful applications around the world, protecting communications cables under even the most severe conditions. The PREFORMED Stainless Steel Splice Case is now the ARMADILLO Stainless. It is our premium series for the most demanding applications that is designed to offer superior performance and versatility for virtually any application.

The ARMADILLO Stainless is your best choice when…

- Stainless steel is required for more demanding applications.
- Fire retardant stainless is required for vault applications.
- Exceeding Bell System standards may be necessary.
- Maintaining 15 psi (103kPA) is required (when used with drillable End Plates).

Design Features:

- Re-usable
- Re-enterable
- Craft-friendly
- Re-entry kits not required
- Utilize torque bar for end plate positioning
- Accepts both end plate designs
- Used in underground, aerial or buried applications
- Feature captive hardware
- Made of corrosion resistant materials
- Utilize ARMADILLO Coupling for expanding cable opening

ARMADILLO® Overview & Capacities

A Whole New Species for Copper Cable

ARMADILLO Sealing Washer End Plates:

With the introduction of the ARMADILLO Series comes a new end plate design. The ARMADILLO Sealing Washer End Plates eliminate major tooling costs, field drilling and does not require extensive training.

The ARMADILLO Sealing Washer End Plate is your best choice when...

- Your application does not require more than one, two or three cable entry ports.
- No power source for field drilling is available.
- Mastic sealing tapes are used that do not require C-Cement making these End Plates re-usable.

Design Features:

These new end plates have no external fasteners, utilize the proven PREFORMED™ Torque Bar for positioning, and have universal inserts that enable grounding connections and air pressurization through the end plate. They also feature a unique strengthened, two-piece sealing washer that is available in the same sizes as competitive units and is interchangeable.

Interchangeable and Compatible:

Both ARMADILLO End Plate styles are available in two and three section designs for use with 4", 6.5", 8.0", 9.5" and 12.5" (drillable only) diameter shell kits. They are compatible for use with the ARMADILLO Stainless shells. They will also accept a hybrid application utilizing both End Plate styles in the same closure.

ARMADILLO Drillable End Plates:

The ARMADILLO Series features a compatibility that includes the field proven Drillable End Plate. This end plate system can accommodate a variety of cables, cable sizes and cable configurations with either a two-section or a three-section end plate design.

The ARMADILLO Drillable End Plate is your best choice when...

- Field flexibility to custom drill the end plates on the job site is necessary and a power source is available.
- You have a demanding application that requires the LOCK-TAPE™ Sealing System providing exceptional pull-out strength.
- You have vault applications.

Design Features:

ARMADILLO Drillable End Plates can be field configured to meet your application requirements. Less stock is required with this design, because any bond connector can be used, and fixed sheath opening dimensions do not depend on bond connector placement. They are available with grounding and air valve inserts for air pressurization, aerial support and grounding through the end plate.

End Plate Similarities:

- No exposed fastener hardware
- Grounding through end plate
- Torque bar used for positioning
- Craft-friendly

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abc

ARMADILLO® Stainless Kits

Kits include top & bottom shell halves, LOCKBAR™ Assemblies, Torque Bars and two 2-section End Plate kits (except 3-section End Plates with 12.5"). Bonding kit (where included) includes shield connectors, pair protectors and bonding braid.

ARMADILLO Stainless Kits with Drillable End Plates			
Catalog Number			
With Bonding	**Without Bonding**	**Size (mm)**	**Weight (kg)**
8000624	8006021	4" x 25" (102 x 635)	15# (6.8)
8006326	8006319	6.5" x 22" (165 x 559)	24# (10.9)
8000626	8006022	6.5" x 28" (165 x 711)	29# (13.2)
8006320	8006261	8" x 28" (203 x711)	34# (15.4)
8000630	8006023	9.5" x 28" (241 x 711)	41# (18.6)
8006219	8006251	12.5" x 28" (318 x 711)	58# (26.3)
8000634	8006024	6.5" x 38" (165 x 965)	37# (16.8)
8006321	8006262	8" x 38" (203 x 965)	45# (20.4)
8000635	8006025	9.5" x 38" (241 x 965)	51# (23.1)
8006220	8006252	12.5" x 38" (318 x 965)	77# (34.9)
8006322	8006263	8" x 45" (203 x 1143)	50# (22.7)
8006176	8006177	9.5" x 45" (241 x 1143)	59# (26.8)
8006221	8006253	12.5" x 45" (318 x 1143)	84# (38.1)
8006668	8006669	9.5" x 53" (241 x 1346)	66# (29.9)
	8006509**	12.5" x 65"* (318 x 1651)	146# (66.2)

**Shell Kit only
 *Shells are welded

ARMADILLO Stainless Capacities	
Pair Count of Cables	**ARMADILLO Stainless Size (mm)**
50 thru 300	4" x 25" (102 x 635)
300 thru 600	6.5" x 22" (165 x 559)
300 thru 1100	6.5" x 28" (165 x 711)
900 thru 1500	6.5" x 38" (165 x 965)
900 thru 2100	8" x 28" (203 x 711)
1200 thru 2400	8" x 38" (203 x 965)
1500 thru 2700	8" x 45" (203 x 1143)
1500 thru 2700	9.5" x 28" (241 x 711)
1800 thru 3600	9.5" x 38" (241 x 965)
2100 thru 4200	9.5" x 45" (241 x 1143)
2100 thru 4200	9.5" x 53" *(241 x 1356)
2400 thru 3000	12.5" x 28" (318 x 711)
2700 thru 3600	12.5" x 38" (318 x 965)
3000 thru 4200	12.5" x 45" (318 x 1143)
3000 thru 4800	12.5" x 65"* (318 x 1651)

NOTE: Capacities based on 24 gauge wire and industry standard splice modules
*Shells are welded

ARMADILLO Stainless Filling Flange Kits with Drillable End Plates			
Catalog Number Splice Case with Filling Flange			
With Bonding	**Without Bonding**	**Size (mm)**	**Shipping Weight (kg)**
8006366	8006283	4" x 25" (102 x 635)	15# (6.8)
8006429	8006394	6.5" x 22" (165 x 559)	24# (10.9)
8006367	8006239	6.5" x 28" (165 x 711)	29# (13.2)
8006410	8006395	8" x 28" (203 x 711)	34# (15.4)
8006368	8006240	9.5" x 28" (241 x 711)	41# (18.6)
8006372	8006271	12.5" x 28" (318 x 711)	58# (26.3)
8006369	8006241	6.5" x 38" (165 x 965)	37# (16.8)
8006411	8006396	8" x 38" (203 x 965)	45# (20.4)
8006370	8006242	9.5" x 38" (241 x 965)	51# (23.1)
8006373	8006272	12.5" x 38" (318 x 965)	77# (34.9)
8006412	8006397	8" x 45" (203 x 1143)	50# (22.7)
8006371	8006249	9.5" x 45" (241 x 1143)	59# (26.8)
8006701	8006700	9.5" x 53" (241 x 1346)	66# (22.9)
8006374	8006273	12.5" x 45" (318 x 1143)	84# (38.1)

Recommended RD Encapsulant for ARMADILLO Stainless and REDDI™ Seal Closures	
Size (mm)	**Amount (grams)**
4" x 25" (102 x 635)	3,800
6.5" x 22" (165 x 559)	8,800
6.5" x 28" (165 x 711)	11,000
6.5" x 38" (165 x 965)	16,000
8" x 28" (203 x 711)	18,000
8" x 38" (203 x 965)	24,000
8" x 45" (203 x 1143)	30,000
9.5" x 28" (241 x 711)	23,000
9.5" x 38" (241 x 965)	33,000
9.5" x 45" (241 x 1143)	41,000
9.5" x 53" (241 x 1346)	46,000
12.5" x 28" (318 x 711)	39,000
12.5" x 38" (318 x 965)	57,000
12.5" x 45" (318 x 1143)	69,000

NOTE: Based on 10% of closure volume being occupied by splices.

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Spacer Mat/Re-Encapsulation Kits for Buried Applications

Non Re-Enterable

The PREFORMED™ Polyurethane Resin Kit offers these outstanding distinctive features:

- Comes in three sizes for most economical usage
- Use of cans allows longer shelf life and "one mix—one pour" application
- Excellent electrical properties
- Low exotherm
- Low viscosity
- Easy to mix
- Good working life with short cure time
- Hard set in 15-20 minutes
- Resilient and tough
- Shelf life 18 months
- Meets OSHA specifications, contains no MDA, MOCA, or TDI
- Adhesion promoters are available upon request

Packaging (Standard Can Kits)		
Catalog Number	Description	Standard Carton Qty.
8000310	Resin Kit 8 oz. (227grams) kit	1 Kit
8000311	Resin Kit 15 oz. (425 grams) kit	1 Kit
8000312	Resin Kit 33 oz. (936 grams) kit	1 Kit

Spacer Mat

PREFORMED Spacer Mat is an open-cell, polyurethane foam material ideal for splice closures using solid-cast polyurethane resin as an encapsulant. The spacer is used to maintain at least ¼" of the resin around the splice. Spacer Mat can be also used to wipe excess grease off cable pairs prior to splicing filled cable.

Open-cell Polyurethane Foam		
Catalog Number	Description	Standard Carton Qty.
8000657	2½" x ¼" x 80" (318 x 6 x 2032)	50 units
8000653	4" x ¼" x 80" (102 x 6 x 2032)	50 units
8000658	18" x ¼" x 80" (457 x 6 x 2032)	10 units

Re-encapsulation Kit

The Re-encapsulation Kit includes a check valve and funnel with tubing which allows for refilling and filling flange stainless steel closures.

Catalog No.: 8003105