

# Encapsulated Closures



900 Series Direct Injection Closures 189

Encapsulated Closures enclose cable plant splices in direct buried, hand hole, and man hole applications. They also protect cable splices from environmental elements found in these applications and enclose a variety of cable configurations. The closures are also used to easily accommodate distribution drops from the main cable.

The methods used in encapsulated closures have evolved from early gravity filled methods to compound compression methods to our 900 Series Closure which utilizes a direct injection (DI) encapsulation method. The DI method distinguishes the 900 series closure by applying a uniform 8 PSI encapsulant pressure on all closure sizes. This pressure forces the encapsulant up the cable core to further stop water ingress. In addition, the 900 series utilizes the new spiral gel end seal which seals a variety of cable configurations, provides a flexible seal to the cable's sheath, and chemically bonds to 4442 High Gel Reenterable Encapsulant. The 900 series closure body varies in diameter, which decreases the number of closures needed to be stocked by half

and minimizes the amount of encapsulant required.

The Armorcast Buried Closure (ABC) uses a compound compression to apply pressure to the encapsulant. In a compound compression system the encapsulant pressure varies from 8 PSI in smaller diameter closures to 2 PSI in the larger diameter closures. The ABC closure utilizes Armorcast structural material to provide physical protection over the sealing wraps of rubber mastic. These rubber mastic wraps seal over a vapor barrier which covers the splice bundle that is encapsulated with the compound compression method.

The Better Buried and 89 Series Closures use a gravity fill method of encapsulating and protecting the cable splice. Both kits are simple to install and are offered with a full product offering to cover the complete cable ranges found in the outside plant. In addition, both kits can be ordered with 4442 High Gel reenterable encapsulant. The 89 Series can also be purchased with 4407 Encapsulant for making a permanent, hard encapsulated closure with maximum water protection.

The Better Buried Compound Compression Closure System used the compression method to force the encapsulant up the cable core to stop water ingress. The product is simple to install, comes with the spacer web and plastic wrap and is used to hold and force the encapsulant. The product is offered in different sizes to cover various cable ranges and can be easily extended and bricked.



Better Buried Closures 190

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## Features — Benefits

900 Series Direct Injection Closures	
Few loose parts	Easy assembly (under 20 minutes); increased productivity
No special tools or equipment	No fire hazard or tool cost
Adjustable closure diameter	Minimizes compound usage & closure sizes
Rigid closure body	Easy reentry; physical strength; increased productivity; product longevity
Multiple port end seal	Multiple cable configurations; flexible seal; reliability
Rigid bonding assembly	Increased physical strength; supports cable seal
Uniform compound pressure	Allows complete fill of closure and migration up the cable; increases splices' resistance to water
Meets industry specifications	Increased resistance to the environment
ABC Closures	
Cold Installation	No safety problems; no special techniques required
Compression wrap	Minimizes core water; completed costs are lower
Tough outer shell	Can be used in harsh environments
Solvent-resistant	Gasoline cannot erode Armorcast jacket
Waterproof, airtight	Minimizes reentry
Can be cut with a sheath knife	Splice repair and maintenance is easy
Tape-wrap system	Three kits cover most applications

## Ordering Information for Direct Injection Closure Kits



900 Series Closures				
Product number	932S-DI	932-DI	954-DI	976-DI
Splice bundle diameter mm (in.)	75-50 (3-2)	75-50 (3-2)	125-100 (5-4)	175-150 (7-6)
Max. splice opening mm (in.)	200 (8)	525 (21)	525 (21)	525 (21)
Closure length end to end mm (in.)	375 (15)	800 (32)	800 (32)	825 (33)
MS <sup>2</sup> ™ 4000 DWP Module splice maximum pair capacity	100-pr.	200-pr.	600-pr.	1200-pr.
Scotchlok™ Connector splice UR2/UR	50-pr.	100-pr.	300-pr.	600-pr.
Approx. compound required	1,650 ml (1,500 grams*)	3,300 ml (3,000 grams*)	8,300 ml (7,200 grams*)	16,500 ml (15,000 grams*)
<b>Ordering information</b>				
Packaging	1/cs.	1/cs.	1/cs.	1/cs.
Minimum order	1 kit	1 kit	1 kit	1 kit
UPC	054007-92260	054007-91693	054007-92259	054007-92261

\* Grams of 4442 High Gel Reenterable Encapsulant based on the density of 1.1 ml/gram. The density of other reenterable encapsulants will vary.

### Companion products needed to complete this closure:

Scotchlok 4460 Shield Bond Connectors, 4442 Reenterable Encapsulant, 4458 Pair Saver and LR Rubber Tape.

## Ordering Information for Reentry Kits

Reentry Kits			
Product number	932R	954R	976R
Packaging kgs (lbs.)	1 kit/case 1.4 (3.2)	1 kit/case 2.7 (6.1)	1 kit/case 3.2 (7.2)
Minimum order	1 kit	1 kit	1 kit
UPC	054007-92340	054007-92338	054007-92339

## Ordering Information for ABC Closures



ABC Closures				
Product number	ABC 2.0-9	ABC 2.0-19	ABC 4.2-19	ABC 6.0-19
Splice bundle diameter mm (in.)	50 (2)	50 (2)	105 (4.2)	150 (6)
Max. splice opening mm (in.)	225 (9)	475 (19)	475 (19)	475 (19)
Closure length end to end mm (in.)	800 (32)	1050 (42)	1050 (42)	1050 (42)
MS <sup>2</sup> 4000 DWP Module splice maximum pair capacity	50-pr.	100-pr.	600-pr.	1200-pr.
Scotchlok™ Connector splice UR2/UR	25-pr.	50-pr.	300-pr.	600-pr.
Approx. compound required	660 ml (600 grams*)	1320 ml (1200 grams*)	3300 ml (3000 grams*)	5500 ml (5000 grams*)
<b>Ordering information</b>				
Packaging kg (lbs.)	1/cs. 1.3 (2.8)	1/cs. 2.7 (6.0)	1/cs. 3.4 (7.4)	1/cs. 4.2 (9.3)
Minimum order	1 kit [521053]	1 kit [526074]	1 kit [526075]	1 kit [526076]
UPC	051138-34543	051138-34542	051138-34541	051138-34540

\* Grams of 4442 High Gel Reenterable Encapsulant based on the density of 1.1 ml/gram. The density of other reenterable encapsulants will vary.

### Companion products needed to complete this closure:

Scotchlok 4460 Shield Bond Connectors, 4442 Reenterable Encapsulant, 4458 Pair Saver and 2178/2183 E-Z Wrap.

## Better Buried Closures

To order Better Buried Gravity Filled Closures follow 2 easy steps:

Step 1: Determine closure size using type of pair capacity and maximum opening, (i.e. = BB2 x 12)

Step 2: Using closure size from Step 1, determine splice and cable configuration code. (i.e. = SB/2SC-LHS)

(Combine steps 1 and 2 to determine product number (i.e. = BB2 x 12 SB/2SC-LHS))

### Product Nomenclature:

BB = Better Buried	SC = Single Port End Cap
FC = Flat Cap	SB = Strain Relief Bond Bar
DC = Double Port End Cap	PC = Puddle Cap
SW = Spaces Web	TC = Triple Port End Cap
LHS = Locking Harness System	DS = Double Sleeve

## Closure Capacity for BB2x12 through BB4x12



Step 1 Better Buried Closures					
Description	BB2x12	BB2x24	BB3x12	BB3x24	BB4x12
Splice bundle diameter mm (in.)	50 (2)	50 (2)	75 (3)	75 (3)	100 (4)
Max. splice opening mm (in.)	177 (7)	425 (17)	177 (7)	425 (17)	177 (7)
Closure length end to end mm (in.)	400 (16)	700 (28)	400 (16)	700 (28)	400 (16)
MS2™ 4000 DWP Module splice maximum pair capacity	50-pr.	100-pr.	100-pr.	200-pr.	200-pr.
Scotchlok™ Connector UR2/UR	25-pr.	50-pr.	75-pr.	100-pr.	150-pr.
Approx. compound required	660 ml (600 grams*)	1,320 ml (1,200 grams*)	1,320 ml (1,200 grams*)	3,300 ml (3,000 grams *)	2,500 ml (2,250 grams*)

\* Grams of 4442 High Gel Reenterable Encapsulant based on the density of 1.1 ml/gram. The density of other reenterable encapsulants will vary.

## Splice & Cable Configurations for BB2x12 through BB4x12



Step 2					
Description	BB2x12	BB2x24	BB3x12	BB3x24	BB4x12
In-line splice with single end caps (1 in/1 out)	SB/2SC-LHS	SB/2SC-LHS	-	SB/2SC-LHS	SB/2DC-LHS
In-line splice with 1 single & 1 double end cap (1 in/2 out)	-	SB/SC, DC-LHS	-	SB/SC, DC-LHS	-
In-line splice with 1 single & 1 double end cap, (SB/SC, DC-LHS), plus 4462 shield bond connector and 4442 High Gel (1 in/2 out)	4462/High Gel SC, DC-LHS	4462/High Gel SC, DC-LHS	-	4462/High Gel SC, DC-LHS	-
In-line splice with 2 double end caps (2 in/2 out)	-	-	SB/2DC-LHS	-	-
In-line splice with 1 double & 1 triple end cap (2 in/3 out)	-	-	-	-	-
Butt splice with end cap	2BB BUTT-LHS	-	3BB BUTT-LHS	-	4BB BUTT-LHS

## End Caps & Closure Extension Sleeves for BB2x12 through BB4x12



Accessories					
Description	BB2x12	BB2x24	BB3x12	BB3x24	BB4x12
Single entry	2" SC-LHS BB	2" SC-LHS BB	3" SC-LHS BB	3" SC-LHS BB	4" SC-LHS BB
Double entry	2" DC-LHS BB	2" DC-LHS BB	3" DC-LHS BB	3" DC-LHS BB	4" DC-LHS BB
Triple entry	-	-	-	-	-
1 flat cap, 1 puddle cap	-	-	-	-	4" BB FC/PC
Sleeve name	2DS-12-BB	2DS-24-BB	3DS-24-BB	3DS-24-BB	4DS-24-BB

### Ordering Example: BB2x24 SB/SC, DC-LHS

- BB = A Better Buried Closure
- 2x24 = 2 inch Diameter, 24 inch Length
- SB = Strain Relief Bond Bar
- SC = One Single Port End Cap
- DC = One Double Port End Cap
- LHS = Locking Harness System

### Closure Capacity for BB4x24 through BB9x26

Step 1 Better Buried Closures					
Description	BB4x24	BB5x26	BB6x26	BB7x26	BB9x26
Splice bundle diameter mm (in.)	100 (4)	125 (5)	150 (6)	175(7)	225(9)
Max. splice opening mm (in.)	425 (17)	475 (19)	475 (19)	475 (19)	475 (19)
Closure length end to end mm (in.)	750 (30)	750 (30)	750 (30)	750 (30)	750 (30)
MS2™ 4000 DWP Module splice maximum pair capacity	400-pr.	600-pr.	900-pr.	1,200-pr.	2,400-pr.
Scotchlok™ Connector UR2/UR	200-pr.	300-pr.	400-pr.	600-pr.	900-pr.
Approx. compound required	5,000 ml (4,500 grams*)	8,300 ml (7,200 grams*)	13,750 ml (12,500 grams*)	16,500 ml (15,000 grams *)	23,100 ml (21,000 grams*)

\* Grams of 4442 High Gel Reenterable Encapsulant based on the density of 1.1 ml/gram. The density of other reenterable encapsulants will vary.

### Splice & Cable Configurations for BB4x24 through BB9x26

Step 2					
Description	BB4x24	BB5x26	BB6x26	BB7x26	BB9x26
In-line splice with single end caps (1 in/1 out)	SB/2SC-LHS	SB/2SC-LHS	-	-	-
In-line splice with 1 single & 1 double end cap (1 in/2 out)	SB/SC, DC-LHS	SB/SC, DC-LHS	-	-	-
In-line splice with 1 single & 1 double end cap, (SB/SC, DC-LHS), plus 4462 shield bond connector and 4442 High Gel (1 in/2 out)	4462/High Gel SC, DC-LHS	4462/High Gel SC, DC-LHS	-	-	-
In-line splice with 2 double end caps (2 in/2 out)	-	-	SB/2DC-LHS	SB/2DC-LHS	SB/2DC-LHS
In-line splice with 1 double & 1 triple end cap (2 in/3 out)	-	-	-	SB/DC, TC-LHS	SB/DC, TC-LHS
Butt splice with double end cap	SW/FC, PC-LHS	SW/FC, PC-LHS	-	SW/FC, PC-LHS	-

### End Caps & Closure Extension Sleeves for BB4x24 through BB9x26

Accessories					
Description	BB4x24	BB5x26	BB6x26	BB7x26	BB9x26
Single entry	4" SC-LHS BB	5" SC-LHS BB	-	-	-
Double entry	4" DC-LHS BB	5" DC-LHS BB	6" DC-LHS BB	7" DC-LHS BB	9" DC-LHS BB
Triple entry	-	-	-	7" TC-LHS BB	9" TC-LHS BB
1 flat cap, 1 puddle cap	4" BB FC/PC	5" BB FC/PC	-	7" BB FC/PC	-
Sleeve name	4DS-24-BB	5DS-26-BB	6DS-26-BB	7DS-26-BB	9DS-26-BB

## Better Buried Closure Accessories

Product number	Packaging kg (lbs.)	Minimum Order	UPC
4430 Spacer Web 3x20	2/cs., 1.04 (2.3)	2 each	054007-30362
4430 Spacer Web 6x20	1/cs., .90 (2.0)	1 each	054007-30361

## Ordering Information for Better Buried Closure Kits



Product number	Packaging kg (lbs.)	Minimum Order	UPC
BB2x12 SB/2SC-LHS	10/cs., 6.3 (13.8)	10 kits [521983]	054007-68228
BB2x24 SB/2SC-LHS	1/cs., 1.4 (3.0)	1 kit [87001378]	054007-68230
BB3x24 SB/2SC-LHS	1/cs., 1.8 (3.9)	1 kit [87001379]	054007-68236
BB4x24 SB/2SC-LHS	1/cs., 2.3 (5.1)	1 kit [87001373]	054007-68241
BB5x26 SB/2SC-LHS	1/cs., 3.2 (7.1)	1 kit [521964]	054007-68246
BB2x12/4462/High Gel	1/cs., 1.4 (3.2)	1 kit	051138-36502
BB2x24/4462/High Gel	1/cs., 2.6 (5.8)	1 kit	051138-36503
BB3x24/4462/High Gel	1/cs., 5.9 (13.0)	1 kit [521979]	051138-36504
BB4x24/4462/High Gel	1/cs., 8.6 (19.0)	1 kit [521980]	051138-36505
BB5x26/4462/High Gel	1/cs., 13.1 (28.8)	1 kit [521981]	054007-71456
BB2x12 SW/FC, DC-LHS	1/cs., 0.7 (1.5)	1 kit	054007-71342
BB3x12 SW/FC, DC-LHS	1/cs., 0.9 (2.0)	1 kit	054007-71343
BB4x12 SW/FC, DC-LHS	1/cs., 1.1 (2.5)	1 kit	054007-63209
BB4x24 SW/FC-PC	1/cs., x (4.6)	1 kit	054007-63923
BB5x26 SW/FC-PC	1/cs., x (7.0)	1 kit	054007-63836
BB7x26 SW/FC-PC	1/cs., x (9.0)	1 kit	054007-68215
BB2x24 SB/SC, DC-LHS	1/cs., 1.4 (3.0)	1 kit [521989]	054007-68229
BB3x12 SB/SC, DC-LHS	1/cs.	1 kit	051138-57551
BB3x24 SB/SC, DC-LHS	1/cs., 1.7 (3.7)	1 kit [521990]	054007-68235
BB4x24 SB/SC, DC-LHS	1/cs., 1.7 (3.7)	1 kit	054007-68240
BB5x26 SB/SC, DC-LHS	1/cs., 2.3 (5.0)	1 kit [521991]	051138-36506
BB3x24 SB/2SC, DC-LHS	1/cs., 1.8 (3.9)	1 kit [521962]	054007-68236
BB4x24 SB/2SC, DC-LHS	1/cs., 1.7 (3.7)	1 kit [521963]	054007-68240
BB6x26 SB/2DC-LHS	1/cs., 3.6 (8.0)	1 kit	054007-71373
BB7x26 SB/2DC-LHS	1/cs., 4.2 (9.3)	1 kit	054007-71375
BB9x26 SB/2DC-LHS	1/cs., 5.1 (11.3)	1 kit	054007-71377
BB7x26 SB/DC, TC-LHS	1/cs., 4.7 (10.4)	1 kit	054007-71374
BB9x26 SB/DC, TC-LHS	1/cs., 5.9 (13.0)	1 kit	054007-71376

## Ordering Information for Compound Compression Kits



Product number	Packaging kg (lbs.)	Minimum Order	UPC
BB2x12CC SB/2SC-LHS	10/case, 8.16 (18.0)	10 kits	054007-91422
BB2x24CC SB/2SC-LHS	10/case, 1.49 (3.3)	1 kit	054007-91423
BB3x12CC SB/2SC-LHS	1/case, 1.36 (3.0)	1 kit	054007-91572
BB3x24CC SB/2SC-LHS	1/case, 1.81 (4.0)	1 kit	054007-92836
BB4x24CC SB/2SC-LHS	1/case, 2.72 (6.0)	1 kit	054007-91424
BB5x26CC SB/2SC-LHS	1/case, 3.62 (8.0)	1 kit	054007-92837
BB6x26CC SB/2DC-LHS	1/case, 4.53 (10.0)	1 kit	054007-91425
BB7x26CC SB/2DC-LHS	1/case, 5.21 (11.5)	1 kit	054007-92838
BB9x26CC SB/2DC-LHS	1/case, 5.57 (12.3)	1 kit	054007-92839
BB/CC-R	1/case, 0.90(2.0)	1 kit	054007-92842

## Ordering Information for Better Buried Closure Kit Spare Parts



Product number	Packaging kg (lbs.)	Minimum Order	UPC
2" SC-LHS BB	10/cs., 0.9 (2.0)	10 each [520929]	054007-68289
2" DC-LHS BB	10/cs., 1.0 (2.3)	10 each [520936]	054007-68290
2DS-24-BB	10/cs., 7.4 (16.4)	10 each [525699]	054007-31070
3" SC-LHS BB	10/cs., 1.4 (3.0)	10 each [520867]	054007-68291
3" DC-LHS BB	10/cs., 1.4 (3.0)	10 each [520863]	054007-68292
3DS-24-BB	10/cs., 12 (26.5)	10 each [525700]	054007-31071
4" SC-LHS BB	10/cs., 1.8 (4.0)	10 each [520868]	054007-68293
4" DC-LHS BB	10/cs., 2.3 (5.0)	10 each [520864]	054007-68294
4" BB FC/PC	10/cs., 2.3 (5.0)	10 kits	054007-68383
4DS-24-BB	10/cs., 16.1 (35.4)	10 each [577132]	054007-31072
5" SC-LHS BB	10/cs., 2.7 (6.0)	10 each [520869]	054007-68295
5" DC-LHS BB	10/cs., 3.2 (7.0)	10 each [520865]	054007-68296
5" BB FC/PC	10/cs., 3.2 (7.0)	10 kits	054007-68284
5DS-26-BB	10/cs., 13.6 (30.0)	10 each [577133]	054007-31809
6" DC-LHS BB	1/cs., 0.5 (1.0)	1 each	054007-71391
6DS-26-BB	1/cs., 2.9 (6.5)	1 each	054007-34039
7" DC-LHS BB	1/cs., 0.5 (1.0)	1 each	054007-71394
7" TC-LHS BB	1/cs., 0.5 (1.0)	1 each [520874]	054007-71393
7" BB FC/PC	5/cs., 2.3 (5.0)	5 kits	054007-68285
7DS-26-BB	1/cs., 3.4 (7.5)	1 each [525134]	054007-31915
9" DC-LHS BB	1/cs., 0.5 (1.0)	1 each	054007-71395
9" TC-LHS BB	1/cs.	1 each	054007-71396
9DS-26-BB	1/cs., 4.9 (9.0)/cs.	1 each	054007-31916

## Maximum Splice Bundle Capacities (Straight Splice) for Better Buried Compound Compression Kits



Product number	4000-DWP or 25-pair modular connector	UR Connectors (w/3" Pigtails)	UPC
BB2x12CC SB/2SC-LHS	50 pr., 24 AWG (0.5 mm)	25 pr., 22 AWG (0.6 mm)	054007-91422
BB3x12CC SB/2SC-LHS	100 pr., 22 AWG (0.6 mm)	75 pr., 22 AWG (0.6 mm)	054007-91572
BB2x24CC SB/2SC-LHS	100 pr., 24 AWG (0.5 mm)	50 pr., 22 AWG (0.6 mm)	054007-91423
BB3x24CC SB/2SC-LHS	200 pr., 24 AWG (0.5 mm)	100 pr., 22 AWG (0.6 mm)	054007-92836
BB4x24CC SB/2SC-LHS	400 pr., 24 AWG (0.5 mm)	200 pr., 22 AWG (0.6 mm)	054007-91424
BB5x26CC SB/2SC-LHS	600 pr., 24 AWG (0.5 mm)	300 pr., 22 AWG (0.6 mm)	054007-92837
BB6x26CC SB/2DC-LHS	900 pr., 24 AWG (0.5 mm)	400 pr., 22 AWG (0.6 mm)	054007-91425
BB7x26CC SB/2DC-LHS	1200 pr., 24 AWG (0.5 mm)	600 pr., 22 AWG (0.6 mm)	054007-92838
BB9x26CC SB/2DC-LHS	2400 pr., 24 AWG (0.5 mm)	900 pr., 22 AWG (0.6 mm)	054007-92839
BB/CC-R Reentry Kit			054007-92842

## Closure Dimension Guide for Better Buried Compound Compression Kits



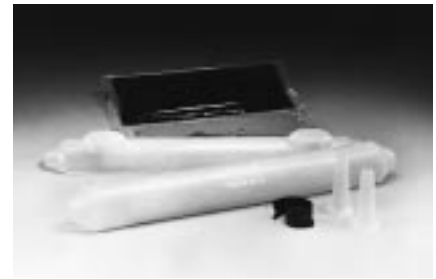
Product number	Closure End Cap Port Diameters		Max. Splice Openings			Approx. Amount of Compound Required (Ave. Splice)
	Single Entry (Max.)	Multiple Entry 1 2	Single Sheath	Double Sheath Outer Inner		
BB2x12CC SB/2SC-LHS	30 mm (1.2")		127 mm (5")			659 ml (600 grams)
BB3x12CC SB/2SC-LHS	41 mm (1.6")		127 mm (5")			1320 ml (1200 grams)
BB2x24CC SB/2SC-LHS	30 mm (1.2")		423 mm (17")	423 mm (17")	356 mm (14")	1320 ml (1200 grams)
BB3x24CC SB/2SC-LHS	41 mm (1.6")		423 mm (17")	423 mm (17")	356 mm (14")	3300 ml (3000 grams)
BB4x24CC SB/2SC-LHS	51 mm (2.0")		423 mm (17")	423 mm (17")	356 mm (14")	4945 ml (4500 grams)
BB5x26CC SB/2SC-LHS	61 mm (2.4")		483 mm (19")	483 mm (19")	406 mm (16")	7912 ml (7200 grams)
BB6x26CC SB/2DC-LHS		68 mm (2.7") 51 mm (2.0")	483 mm (19")	483 mm (19")	406 mm (16")	13736 ml (12500 grams)
BB7x26CC SB/2DC-LHS		78 mm (3.1") 60 mm (2.4")	483 mm (19")	483 mm (19")	406 mm (16")	16483 ml (15000 grams)
BB9x26CC SB/2DC-LHS		97 mm (3.8") 78 mm (3.1")	483 mm (19")	483 mm (19")	406 mm (16")	23077 ml (21000 grams)

# Scotchcast™ 89 Series Closures

8981/High Gel, 8982/High Gel, 8983/High Gel, 8984/High Gel, 8985/High Gel, 8986/High Gel (RUS Listed)

These rigid body closures use a gravity fill method of encapsulating and protecting cables. They are packed with 4442 High Gel Reenterable encapsulant for easy reentry and include:

- Scotchlok™ 4462 Shield Bond Connectors
- Scotch™ LR Tape
- Scotch 88T Tape
- Scotchcast 4435 Sheath Scuff



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RUS Listed

## Ordering Information for Scotchcast 89 Series Closures/Reenterable Encapsulant

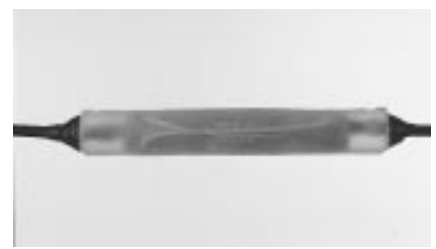


Product number	8981 High Gel	8982-4462 High Gel	8983-4462 High Gel	8984-4462 High Gel	8985-4462 High Gel	8986-4462 High Gel
Splice bundle diameter mm (in.)	13 (0.5)	23 (0.9)	32 (1.25)	57 (2.25)	88 (3.5)	119 (4.75)
Max. splice opening mm (in.)	38 (1.5)	132 (5.25)	244 (9.75)	225 (9.0)	425 (17)	425 (17)
Closure length end to end mm (in.)	182 (7.2)	273 (10.75)	396 (15.6)	400 (15.75)	622 (24.5)	635 (24.5)
Scotchlok Connector UR2/UR	4-pr.	18-pr.	50-pr.	100-pr.	400-pr.	600-pr.
MS <sup>2</sup> ™ 4000 DWP Module Splice maximum pair capacity	-	-	-	100-pr.	400-pr.	600-pr.
Approx. compound included	90 ml (82 grams)	300ml (266 grams)	660 ml (600 grams)	1,320 ml (1,200 grams)	2,640 ml (3,000 grams)	6,600 ml (6,000 grams)
Packaging kgs (lbs.)	1/box 10/cs. 2.9 (6.4)	1/cs. 5.7 (12.5)	1/cs. 10.3 (22.6)	1/cs. 2.1 (4.6)	1/cs. 4.7 (10.3)	1/cs. 9.1 (20.0)
Minimum order	10 kits [87203079]	10 kits [523807]	10 kits [523808]	1 kit [87201673]	1 kit [87201196]	1 kit
UPC	051138-36496	051138-36497	051138-36498	051138-36499	051138-36500	051138-36501

Additional products needed to complete this closure: 4458 Pair Saver.

## Scotchcast PIC Encapsulating Closure Kits (Non-Reenterable)

These rigid body closures are made of translucent polypropylene and are packed with 4407 Urethane Compound and rubber tape strips for sealing ends of closure.



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## Ordering Information for Scotchcast 89 Series Closures/Hard Encapsulant (non-reenterable)



Product number	8981-07	8982-07	8983-07	8984-07	8985-07	8986-07
Splice bundle diameter mm (in.)	13 (0.5)	23 (0.9)	32 (1.25)	57 (2.25)	88 (3.5)	119 (4.75)
Max. splice opening mm (in.)	38 (1.5)	132 (5.25)	244 (9.75)	225 (9.0)	425 (17)	425 (17)
Closure length end to end mm (in.)	182 (7.2)	273 (10.75)	396 (15.6)	400 (15.75)	622 (24.5)	635 (24.5)
Scotchlok Connector UR2/UR	4-pr.	18-pr.	50-pr.	100-pr.	400-pr.	600-pr.
MS <sup>2</sup> 4000 DWP Module Splice maximum pair capacity	-	-	-	100-pr.	400-pr.	600-pr.
Approx. compound included	90 ml (94 grams)	300ml (300 grams)	660 ml (675 grams)	1,320 ml (1,350 grams)	2,640 ml (3,375 grams)	6,600 ml (6,750 grams)
Packaging kgs (lbs.)	1/box 10/cs. 3.1 (6.8)	1/box 10/cs. 6.2 (13.6)	1/box 10/cs. 11.2 (24.7)	1/cs. 2.1 (4.6)	1/cs. 4.9 (10.7)	1/cs. 9.3 (20.5)
Minimum order	10 kits [524437]	10 kits [524438]	10 kits [524439]	1 kit [524440]	1 kit [524441]	1 kit [524442]
UPC	054007-30851	054007-30852	054007-30853	054007-33376	054007-33374	054007-30854

Additional products needed to complete this closure: 4458 Pair Saver.

### SLiC™ 5-Pair Buried Service Wire Kit



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Protecting a buried service wire splice is now easier than ever with the SLiC Buried Service Wire Kit. The BSW kit is a three-part, rigid body closure that self-encapsulates two- and five-pair buried service wire. It has a built-in bonding system that bonds the buried service wire shield as the splice is put together—and it contains a revolutionary new sealant.

The special formulated sealant is a one-part, no-mix, non-urethane product containing no grease. The sealant serves as an electrical insulator and reacts upon moisture contact to prevent water ingress. At the point of water incursion, the sealant hardens and forms a water-resistant barrier.

### 3838 PST/Gel Buried Service Wire Splice Kit



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The 3838 PST/Gel Buried Service Splice Kit is a flexible and "non-compound" splicing system that provides fast, reliable and easy protection. This kit will accommodate inline, butt and extended splices of up to six pair buried service wire. The new kit utilizes non-toxic PST and Gel technology and provides an excellent waterproof environment. It meets tough qualification tests such as impact and pull-out resistance, water immersion and freeze thaw cycle test

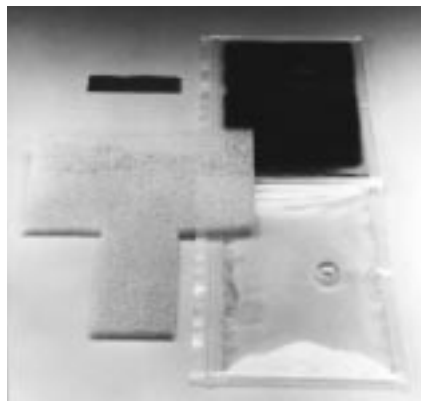
in wet sand. The shield bond connector is specially designed to provide good moisture continuity and strain relief at the same time.

The 3838 PST/Gel buried service wire kit is simple to use and requires minimal training.



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### Scotchcast™ 3817 Buried Service Wire Splicing/Cable Capping Kit



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For buried service wire splicing and end capping. Kit contains T foam spacer pad, 17 compound in "J" size bag, 75 g (2.65 oz.) Unipak container. Packaged in poly bag with instructions.

### Scotchcast 3821 Cable Capping Kit

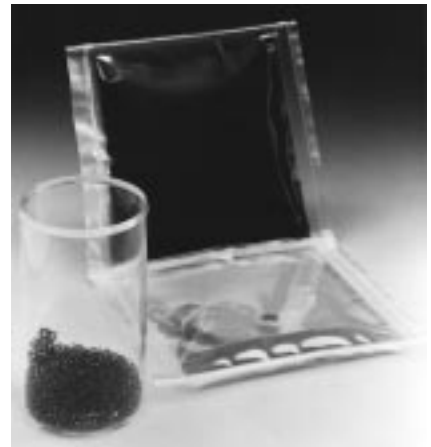


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Designed specifically for cable capping, this kit includes a clear plastic cup. The 3821 kit accepts a 300-pair 0.6 mm (22 AWG) or 400-pair 0.5 mm (24 AWG).

Also included in the kit is fast curing 17 compound in the Unipak Container. Instructions are provided. 38 mm (1-1/2") O.D.

### Scotchcast 3832 Buried Service Wire Splice Kit



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The Scotchcast 3832 Buried Service Wire Splice Kit will accommodate inline and butt splices of up to five-pair filled or unfilled service wire. One "A" size bag of 4403 encapsulant and a split bolt are provided with the kit. Once the compound has been poured, an outer tube is rotated over the barrel opening to seal the unit, requiring no waiting for the compound to cure before the kit is buried.



## Features — Benefits

### 3838 PST/Gel Buried Service Wire Splice Kit

PST/Gel technology	Proven reliability; waterproof performance saves maintenance costs, keeps lines up and running
Passes freeze/thaw cycle test in wet sand	No return dig-ups; saves repair costs
Used for butt and in-line splicing	Addresses multiple splicing configurations; reduces inventory hassles and costs
No encapsulant mixing	Reduces installation time and reduces waste
Universal sizing, "push type" strain relief and shield connector	Fits all needs; inventory savings. No special tools required; no tooling costs
Fewer piece parts	Fast assembly; reduced labor
No compound	No curing time; can be buried immediately
Easy installation	Craft friendly with minimal training
Applicable in extreme temperatures	No scheduling or weather constraints

## Ordering Information for Buried Service Wire and End Capping Kits



Product number		Packaging kg (lbs.)/cs.	Min. order	UPC
SlIC™ 5-pair	Buried Service Wire Kit	1 kit/bag, 12 kits/cs. 2.3 (5.0)	12 kits [62936069]	054007-71531
3817	Buried Service Wire Splicing/Cable Capping Kit 1 1/2" O.D.	1 kit/bag, 12 cs. 1.45 (3.2)	12 kits [522074]	054007-32217
3832	Buried Service Wire Splice Kit with Split Bolt	1/bag, 12/cs. 1.9 (4.2)	12 kits	054007-32224
3821	Cable Capping Kit 7/8" + 1 1/2" O.D.	1/bag, 12/cs. 1.7 (3.8)	12 kits	054007-32220
3838 includes the following:	PST/Gel Buried Service Wire Splice Kit Gel Blanket (1) 4360 Pull 'N' Shrink Tubing (1) 4463 Shield Bond Assembly (1) 23 Tape Strip (1)	1 kit/1 box (.625 lbs)	1 kit	054007-11455

# K&B Vault and Riser Closures

## K&B Vault Closures

K&B Closures are strong, lightweight, and protect a wide variety of vault splice configurations with an air and water tight seal. K&B closures offer a full product line that is simple to install and reenter. This full product offering provides closures in standard kits to protect the majority of cable configurations and customized and special closures to meet your vault requirements.



All K&B closures are flame retardant.

**RUS Listed.**



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## Chart A Standard K&B Closure Selector Guide

Maximum Pair Count		Solid Sleeve		Split Sleeve	
			200		201
MS <sup>2*</sup>	Scotchlok	Kit Part Number	Diameter Length	Kit Part Number	Diameter Length
100	50	KB2-100-2	2-24		
200	100	KB3-175-1	3-24	KBS3-175-1	3DS-24
400	200	KB4-175-1 KB4-175-2	4-24 4-24		
600	300	KB5-100-6 KB5-130-6 KB5-175-2	5-26 5-26 5-26	KBS5-100-6 KBS5-130-6 KBS5-175-2	5DS-26 5DS-26 5DS-26
900	400	KB6-100-9 KB6-130-9 KB6-175-3	6-26 6-26 6-26	KBS6-100-9 KBS6-130-9 KBS6-175-3	6DS-26 6DS-26 6DS-26
1200	600	KB7-100-15 KB7-175-5	7-26 7-26	KBS7-100-15 KBS7-175-5	7DS-26 7DS-26
2400	800	KB8-100-24 KB8-130-18 KB8-175-8	8-26 8-26 8-26	KBS8-100-24 KBS8-130-18 KBS8-175-8	8DS-26 8DS-26 8DS-26
2700	900	KB9-100-27 KB9-130-24 KB9-175-9	9-26 9-26 9-26	KBS9-100-27 KBS9-130-24 KBS9-175-9	9DS-26 9DS-26 9DS-26
3600	-	KB10-100-36 KB10-100-36L	10-26 10-26	KBS10-100-36 KBS10-100-36L	10DS-26 10DS-24
4800	-	KB12-130-37	12-28		

\* Based on 2-bank In-line splice using 4000D/TR modules.

\*\* Collared Cap opening can be up to 6.35 mm (1/4") longer than the cable diameter, the clamp will tighten it down.

\*\*\* Two clamps are included with solid sleeve order. Three clamps are included with split sleeve order. One clamp is included with collared end cap.

\*\*\*\* 254 mm (10") cap with 27- 22 mm to 27 mm (.85" to 1.06") holes around 1- 76 mm (3.0") hole.

## Ordering K&B Vault Closures

The key to ordering the correct K&B Vault Closures Kit is knowing what components suit the splice configuration. The kit can be a solid or split sleeve and have a collared end cap, multiple end cap, stainless steel hose clamps and cable lubricant.

**The K&B Slide Rule Ordering Guide can aid in the closure ordering process. Please call 1-800-745-7459 to receive one.**

Because the K&B vault closure is air and water tight, the closure's collared and multiple end caps have to be sized precisely to the cables entering them. When ordering K&B closures, three pertinent facts are needed:

- The diameter of all the cables, field and tip, to be spliced. This is needed for hole sizing of the end caps.
- The maximum number of cable pairs to be spliced and the type of connector to be used for splicing, an

example is a 2700 pair field cable, spliced to 27-100 pair tip cable is a "2700 pair splice." This determines the size/diameter of the closure.

- The number of tip cables to be enclosed.

NOTE: If the application determines that the closure does not need to be air and water tight, then the use of a K&B riser closure should be considered.

The standard K&B Vault Closure Kit contains the following:

- One sleeve, solid or split
- One collared end cap
- One multiple end cap
- Hose Clamps:
  - Solid sleeve - two sleeve clamps, one collared clamp
  - Split sleeve - three sleeve clamps, one collared clamp

### Steps to Ordering Standard K&B Closures Kits

1. Determine the *maximum* number of cable pairs, entering into the closure. If a 1200 pair field cable enters the



closure, but is only spliced to 6-100 pair tip cables, this is still sized at the 1200 potential pairs.

2. Determine the type of module or connector to be used for splicing. The 25 pair module/connector is recommended because this can make for a more compact splice bundle for a smaller closure diameter.

3. Use "Chart A" to make a selection from the standard kits available. With the standard kits, the Collared Cap opening can be up to 6.35 mm (1/4") larger than the cable diameters. The clamp will tighten it down, and the multiple cap needs to be within the stated diameter range.

4. Fill any vacant multiple holes with the appropriate plug.

Chart A Standard K&B Closure Selector Guide (continued)

Collared End Caps**		Multiple End Caps		Clamps	
					
202		203			
Part Number	Hole Size mm (in.)	Part Number	Hole Size mm (in.)	Sleeve***	Collared
C2-2 (two)	6-24.1 (.24-.95) (2 holes & caps)			2SS	
C3-175-1C (two)	44.4 (1.75) (2 caps)			3SS	3-4CC
C4-175-1C (two)	44.4 (1.75) (2 caps)	C4-174-2	44.4 (1.75)	4SS	3-4CC
C4-175-1C	44.4 (1.75)				
C5-275-1C	69.8 (2.75)	C5-100-6	21.5-26.0 (.85-1.06)	5SS	5-9CC
C5-275-1C	69.8 (2.75)	C5-130-6	27.4-33 (1.08-1.3)		
C5-275-1C	69.8 (2.75)	C5-175-2	31.7-41.4 (1.25-1.75)		
C6-275-1C	69.8 (2.75)	C6-100-9	21.5-26.0 (.85-1.06)	6-7SS	5-9CC
C6-275-1C	69.8 (2.75)	C6-130-9	27.4-33 (1.08-1.3)		
C6-275-1C	69.8 (2.75)	C6-175-3	31.7-41.4 (1.25-1.75)		
C7-275-1C	69.8 (2.75)	C7-100-15	21.5-26.0 (.85-1.06)	6-7SS	5-9CC
C7-275-1C	69.8 (2.75)	C7-175-5	31.7-41.4 (1.25-1.75)		
C8-300-1C	76.2 (3)	C8-100-24	21.5-26.0 (.85-1.06)	8SS	5-9CC
C8-300-1C	76.2 (3)	C8-130-18	27.4-33 (1.08-1.3)		
C8-300-1C	76.2 (3)	C8-175-8	31.7-41.4 (1.25-1.75)		
C9-300-1C	76.2 (3)	C9-100-27	21.5-26.0 (.85-1.06)	9-10SS	5-9CC
C9-300-1C	76.2 (3)	C9-130-24	27.4-33 (1.08-1.3)		
C9-300-1C	76.2 (3)	C9-175-9	31.7-41.4 (1.25-1.75)		
C10-360-1C	91.4 (3.6)	C10-100-36	21.5-26.0 (.85-1.06)	9-10SS	10-12CC
C10-360-1C	91.4 (3.6)	C10-100-27/300	21.5-26.0 (.85-1.06)		
C12-390-1C	99 (3.9)	C12-100-48	21.5-26.0 (.85-1.06)	12SS	10-12CC
C12-390-1C	99 (3.9)	C12-130-37	27.4-33 (1.08-1.3)		

\* Based on 2-bank In-line splice using 4000D/TR modules.

\*\* Collared Cap opening can be up to 6.35 mm (1/4") longer than the cable diameter, the clamp will tighten it down.

\*\*\* Two clamps are included with solid sleeve order. Three clamps are included with split sleeve order. One clamp is included with collared end cap.

\*\*\*\* 254 mm (10") cap with 27- 22 mm to 27 mm (.85" to1.06") holes around 1- 76 mm (3.0") hole.

## Ordering Information for K&B Vault Closure Kits




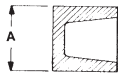
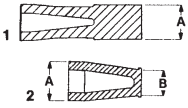
Product number	Packaging kg (lbs.)	Minimum order	UPC
KB2-100-2	1/cs., .91 (2.0)/cs.	1 each	054007-26818
KB3-175-1	1/cs., 1.81 (4.0)/cs.	1 each	054007-26820
KB4-175-1	1/cs., 2.27 (5.0)/cs.	1 each	054007-26822
KB4-175-2	1/cs., 2.27 (5.0)/cs.	1 each	054007-26823
KB5-100-6	1/cs., 2.27 (5.0)/cs.	1 each	054007-26825
KB5-130-6	1/cs., 2.27 (5.0)/cs.	1 each	054007-26826
KB5-175-2	1/cs., 2.27 (5.0)/cs.	1 each	054007-26827
KB6-100-9	1/cs., 3.63 (8.0)/cs.	1 each	054007-26829
KB6-130-9	1/cs., 3.63 (8.0)/cs.	1 each	054007-26830
KB6-175-3	1/cs., 3.63 (8.0)/cs.	1 each	054007-26831
KB7-100-15	1/cs., 3.63 (8.0)/cs.	1 each [521883]	054007-26833
KB7-175-5	1/cs., 5.90 (13.0)/cs.	1 each	054007-26834
KB8-100-24	1/cs., 7.26 (16.0)/cs.	1 each	054007-26381
KB8-130-18	1/cs., 7.26 (16.0)/cs.	1 each	054007-26382
KB8-175-8	1/cs., 7.26 (16.0)/cs.	1 each	054007-26464
KB9-100-27	1/cs., 7.26 (16.0)/cs.	1 each	054007-26465
KB9-130-24	1/cs., 8.16 (18.0)/cs.	1 each	054007-26466
KB9-175-9	1/cs., 8.16 (18.0)/cs.	1 each	054007-26504
KB10-100-36	1/cs., 9.07 (20.0)/cs.	1 each	054007-26624
KB10-100-36L	1/cs., 9.07 (20.0)/cs.	1 each [87200774]	054007-26505
KB12-130-37	1/cs., 12.70 (28.0)/cs.	1 each	054007-26507

## Ordering Information for K&B Vault Closure Kits with Split Sleeve



Product number	Packaging kg (lbs.)	Minimum order	UPC
KBS3-175-1	1/cs., 1.81 (4.0)/cs.	1 each	054007-26835
KBS5-100-6	1/cs., 2.27 (5.0)/cs.	1 each	054007-26837
KBS5-130-6	1/cs., 2.27 (5.0)/cs.	1 each	054007-26838
KBS5-175-2	1/cs., 2.27 (5.0)/cs.	1 each	054007-26839
KBS6-100-9	1/cs., 3.63 (8.0)/cs.	1 each	054007-26841
KBS6-130-9	1/cs., 3.63 (8.0)/cs.	1 each	054007-26842
KBS6-175-3	1/cs., 3.63 (8.0)/cs.	1 each	054007-26843
KBS7-100-15	1/cs., 5.9 (13.0)/cs.	1 each	054007-26845
KBS7-175-5	1/cs., 5.9 (13.0)/cs.	1 each	054007-26846
KBS8-100-24	1/cs., 7.26 (16.0)/cs.	1 each	054007-26566
KBS8-130-18	1/cs., 7.26 (16.0)/cs.	1 each	054007-26567
KBS8-175-8	1/cs., 7.26 (16.0)/cs.	1 each	054007-26568
KBS9-100-27	1/cs., 8.16 (18.0)/cs.	1 each	054007-26569
KBS9-130-24	1/cs., 8.16 (18.0)/cs.	1 each	054007-26570
KBS9-175-9	1/cs., 8.16 (18.0)/cs.	1 each	054007-26571
KBS10-100-36 26"	1/cs., 9.07 (20.0)/cs.	1 each	054007-26572
KBS10-100-36L 34"	1/cs., 9.07 (20.0)/cs.	1 each	054007-26573

## K&B Plugs

Rubber Bushings	Dimensional Diagram	Part Number	Dimension A	Dimension B
Plugs				
		<b>Collared</b> PC-175 PC-225 PC-275 PC-298	1.75 (44) 2.25 (57) 2.75 (70) 2.98 (76)	
		<b>Tapered</b> PT-100 PT-120 PT-125 PT-130 PT-175 PT-225	1.0 (25) 1.2 (31) 1.25 (32) 1.3 (33) 1.75 (44) 2.25 (57)	0.75 (19)  1.25 (32) 1.75 (44)

NOTE: inches (mm) \*If inside diameter is less than 6.35 mm (0.25"), use KBS-1 to seal.

### Ordering Information for K&B Collared Plugs



Product number	Packaging kg (oz.)	Minimum order	UPC
PC-175	1/cs., 0.06 (2)	1 each	054007-26433
PC-225	1/cs., 0.09 (3)	1 each	054007-26434
PC-275	1/cs., 0.14 (5)	1 each	054007-26436
PC-298	1/cs., 0.17 (6)	1 each	054007-26438

### Ordering Information for K&B Tapered Plugs



Product number	Packaging kg (oz.)	Minimum order	UPC
PT-100	1/cs. 0.03 (1)/cs.	1 each	054007-17602
PT-120	1/cs. 0.03 (1)/cs.	1 each [524655]	054007-26441
PT-125	1/cs. 0.03 (1)/cs.	1 each	054007-26440
PT-130	1/cs. 0.06 (2)/cs.	1 each	054007-17603
PT-175	1/cs. 0.06 (2)/cs.	1 each [524656]	054007-26443

## Steps to Ordering a Customized K&B Closure

If it is determined that a "standard" kit does not fit your cable precisely, a "customized" closure might be used for an air and water tight fit.

1. To customize a closure, use steps 1 through 4 on p.93 to determine the approximate closure size for your cable's pair count, splice connections and number of tip cables.

2. Once the approximate closure size is determined, then you make it a precisely fit closure by sizing to the cables using K&B Bushings from "Chart B."


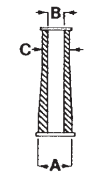



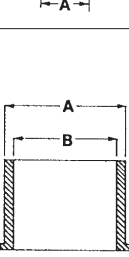

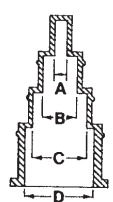

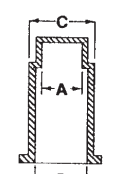
- As an example:

- You have a 1200 pair splice, with a 1200 pair field cable that has 50.8 mm (2.0") OD and 12-100 pair tip that has 25.4 mm (1.0") OD.
- The approximate closure size is a KB7-100-15. It has a multiple end cap with 15 openings of 25.4 mm (1.0") OD and a collared end cap with an opening of 69.9 mm (2.75") OD.
- The multiple end cap will give the tip cable a precise fit.
- The collared end cap is too big and needs a B275-200 bushing to reduce the opening.

-The order should be:

- One each KB7-100-15
- One each B-275-200-IC (this bushing fits into the 69.9 mm (2.75") hole and reduces it down to 50.8 mm (2.0"). The "IC" stands for Insert and Cement)
- Three each PT100

Chart B K&B Bushings

Rubber Bushings	Dimensional Diagram	Part Number	Dimension A	Dimension B	Dimension C	Dimension D
 205		B-100-50	1.04 (26.4)	0.5 (13)	0.85 (20.8)	
 206		B-100-70 B-125-100	1.0 (28 ) 1.25 (32)	0.92 (23.4) 1.06 (26.9)	0.62 (15.7) 0.85 (21.8)	
 207		B-175-125 B-175-150 B-225-175 B-225-200 B-275-200 B-275-225 B-275-250 B-300-275 B-360-300 B-360-330 B-390-360	1.75 (44) 1.75 (44) 2.25 (57) 2.25 (57) 2.75 (70) 2.75 (70) 2.75 (70) 3.0 (76) 3.6 (91) 3.6 (91) 3.9 (99)	1.25 (32) 1.5 (38) 1.75 (44) 2.0 (51) 2.0 (51) 2.25 (57) 2.5 (64) 2.75 (70) 3.0 (76) 3.3 (84) 3.6 (91)		
Variable Bushings						
 208		B-1.00-0.25 B-2.50-1.00	0.49 (12.4) 1.0 (25.4)	0.69 (17.5) 1.40 (35.6)	0.79 (20.1) 1.90 (48.3)	1.0 (25.4) 2.50 (63.5)
 209		B-1.75-1.50-1.00	1.12 (28.4)	1.50 (38.1)	1.75 (44.5)	

NOTE: inches (mm) \*If inside diameter is less than 6.35 mm (0.25"), use KBS-1 to seal.

### Steps to Ordering a Special K&B Closure

If it is determined that a “standard” or “customized” closure kit will not fit your cable needs, a “special” closure might be used for your air and water tight closure applications. The “special” closure consists of factory built specialty parts, i.e., multiple field cable Collared Caps, split Collared Caps, specific multiple cable Multiple Caps, closure Split Sleeves that are not in a kit form. These “special” closure parts need to be ordered separately and may have to be factory built.

1. For a special closure, use steps 1 through 4 on p.93 to determine the approximate size of your closure to your cable's pair count, splice

connections and number of tip cables. Once the approximate closure size is determined, make it a precise fit by piecing together the closure from “Chart C.”

2. The K&B Flat End Caps and Bushings are used in the factory to make the closure fit your requirements. Use the cable O.D. measurements to specify the proper bushings from “Chart B” and the number of holes to be factory drilled. The “special” end caps will be shipped with holes drilled in the flat cap and bushings inserted and cemented.

3. When the “special” closure is used to cover an existing splice, the field cable collared end cap holes may need to be split so it can be installed.

Multiple end caps cannot be split, a split Puddle Cap should be used. (See “Chart C” for the product number.) To seal the split of the end cap, use a KB-S1 Kit.






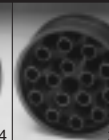
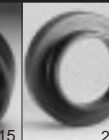
4. Both split and solid sleeves can also be factory cut to any length. See “Chart C” for the product number.

5. Order two sleeve clamps for a solid sleeve or three sleeve clamps for a split sleeve.

6. Order one collared clamp for each collared end opening or two collared clamps for a each split collared end opening.

Chart C K&B Closure Component Selector Guide



Max. Pair Count		Sleeves				End caps			Clamps	
		 210	 211	 212	 213	 214	 215	 216		
MS <sup>2</sup>	Scotchlok	Solid Diameter length Part number	Split Diameter length Part number	Butt Part number	Flat Part number	Collared Part number	Multiple Part number	Puddle Part number	Sleeve	Collared
100	50	2-24	2DS-24	C2-2	C2				2SS	
200	100	3-24	3DS-24	C3-3	C3	C3-175-1C			3SS	3-4CC
400	200	4-24	4DS-24		C4	C4-175-1C	C4-175-2		4SS	3-4CC
600	300	5-26	5DS-26		C5	C5-275-1C	C5-100-6 C5-130-6 C5-175-2		5SS	5-9CC
900	400	6-26	6DS-26		C6	C6-275-1C	C6-100-9 C6-100-10 C6-130-9 C6-175-3		6-7SS	5-9CC
1200	600	7-26	7DS-26		C7	C7-275-1C	C7-100-15 C7-175-5	C7-5	6-7SS	5-9CC
2400	800	8-26	8DS-26		C8	C8-300-1C	C8-100-24 C8-130-18 C8-178-8	C8-7	8SS	5-9CC
2700	900	9-26	9DS-26		C9	C9-300-1C	C9-100-27 C9-130-24 C9-175-9 C9-275-3	C9-5 C9-7	9-10SS	5-9CC
3600	–	10-26 10-34	10DS-26 10DS-34		C10	C10-360-1C	C10-100-27 C10-100-36	C10-8	9-10SS	10-12CC
4800	–	12-28	12SS-28		C12	C12-390-1C	C12-100-48 C12-130-37	C12-8/6	12SS	10-12CC

To complete the closure kit, include the additional K&B accessories in your order from the following pages once the end seals and sleeve components are selected.

Customized K&B Closure Components	Stock Number	UPC
Closure Sleeves Lengths Split and Solid	80-6103-2771-2	63999
End Cap Hole	78-8011-5552-0	26544
End Cap Hole Split	78-8011-5553-8	26545

## Ordering Information for K&amp;B Solid Sleeves



Product number	Packaging kg (lbs.)	Minimum order	UPC
3-24	1/cs., .45 (1.0)/cs.	1 each	054007-26819
4-24	1/cs., .91 (2.0)/cs.	1 each	054007-26821
5-26	1/cs., .91 (2.0)/cs.	1 each	054007-26824
6-26	1/cs., 1.36 (3.0)/cs.	1 each	054007-26828
7-26	1/cs., 2.27 (5.0)/cs.	1 each	054007-26832
8-26	1/cs., 2.72 (6.0)/cs.	1 each	054007-26356
9-26	1/cs., 3.18 (7.0)/cs.	1 each	054007-26357
10-26	1/cs., 3.18 (7.0)/cs.	1 each	054007-26623
10-34	1/cs., 3.18 (7.0)/cs.	1 each	054007-26358
12-28	1/cs., 4.54 (10.0)/cs.	1 each	054007-26359

## Ordering Information for K&amp;B Split Sleeves



Product number	Packaging kg (lbs.)	Minimum order	UPC
2DS-24	1/cs., .45 (1.0)/cs.	1 each [525699]	054007-26498
3DS-24	1/cs., .45 (1.0)/cs.	1 each [525700]	054007-26499
4DS-24	1/cs., 1.36 (3.0)/cs.	1 each	054007-26500
5DS-26	1/cs., 1.36 (3.0)/cs.	1 each	054007-26836
6DS-26	1/cs., 1.81 (4.0)/cs.	1 each	054007-26840
7DS-26	1/cs., 2.27 (5.0)/cs.	1 each	054007-26844
8DS-26	1/cs., 3.18 (7.0)/cs.	1 each	054007-26501
9DS-26	1/cs., 3.63 (8.0)/cs.	1 each	054007-26502
10DS-26	1/cs., 3.63 (8.0)/cs.	1 each	054007-26503
10DS-34	1/cs., 3.63 (8.0)/cs.	1 each	054007-26574
12SS-28	1/cs., 4.99 (11.0)/cs.	1 each	054007-26693

## Ordering Information for K&amp;B Multiple Caps



Product number	Packaging kg (lbs.)	Minimum order	UPC
C4-175-2	1/cs., .34 (.75)/cs.	1 each	054007-26420
C5-100-6	1/cs., 0.68 (1.5)/cs.	1 each [520761]	054007-26402
C5-130-6	1/cs., 0.68 (1.5)/cs.	1 each	054007-26403
C5-175-2	1/cs., 0.45 (1.0)/cs.	1 each	054007-26404
C6-100-9	1/cs., 0.79 (1.75)/cs.	1 each	054007-26405
C6-100-10	1/cs., 0.79 (1.75)/cs.	1 each	054007-26690
C6-130-9	1/cs., 0.9 (2.0)/cs.	1 each	054007-26406
C6-175-3	1/cs., 1.1 (2.5)/cs.	1 each	054007-26407
C7-100-15	1/cs., 1.2 (2.75)/cs.	1 each	054007-26408
C7-175-5	1/cs., 1.1 (2.5)/cs.	1 each	054007-26409
C8-100-24	1/cs., 1.7 (3.75)/cs.	1 each	054007-26410
C8-130-18	1/cs., 1.6 (3.5)/cs.	1 each	054007-26411
C8-175-8	1/cs., 1.6 (3.5)/cs.	1 each	054007-26412
C9-100-27	1/cs., 1.7 (3.75)/cs.	1 each [520772]	054007-26413
C9-130-24	1/cs., 1.6 (3.5)/cs.	1 each	054007-26414

Ordering Information for K&B Multiple Caps (cont.)



Product number	Packaging kg (lbs.)	Minimum order	UPC
C9-175-9	1/cs., 1.6 (3.5)/cs.	1 each	054007-26415
C9-275-3	1/cs., 1.4 (3.0)/cs.	1 each	054007-26853
C10-100-27/300 ESS	1/cs., 2.3 (5.0)/cs.	1 each	054007-26689
C10-100-36	1/cs., 2.3 (5.0)/cs.	1 each	054007-26513
C12-130-37	1/cs., 3.1 (6.75)/cs.	1 each	054007-26497
C12-100-48	1/cs., 3.1 (6.75)/cs.	1 each	054007-26697

Ordering Information for K&B Butt Caps



Product number	Packaging kg (lbs.)	Minimum order	UPC
C2-2	1/cs., 0.06 (0.13)/cs.	1 kit	054007-26418
C3-3	1/cs., 0.09 (0.19)/cs.	1 kit	054007-26419

Ordering Information for K&B Collared End Caps



Product number	Packaging kg (lbs.)	Minimum order	UPC
C3-175-1C	1/cs., 0.23 (0.5)/cs.	1 each	054007-26532
C4-175-1C	1/cs., 0.34 (0.75)/cs.	1 each	054007-26533
C5-275-1C	1/cs., 0.91 (2.0)/cs.	1 each	054007-26534
C6-275-1C	1/cs., 0.91 (2.0)/cs.	1 each	054007-26535
C7-275-1C	1/cs., 1.13 (2.5)/cs.	1 each	054007-26536
C8-300-1C	1/cs., 1.36 (3.0)/cs.	1 each	054007-26537
C9-300-1C	1/cs., 1.59 (3.5)/cs.	1 each	054007-26538
C10-360-1C	1/cs., 1.59 (3.5)/cs.	1 each	054007-26539
C12-390-1C	1/cs., 2.49 (5.5)/cs.	1 each	054007-26540

Ordering Information for K&B Flat Caps



Product number	Packaging kg (lbs.)	Minimum order	UPC
C2 (2")	1/cs., 0.09 (0.19)/cs.	1 each	054007-26383
C3 (3")	1/cs., 0.09 (0.19)/cs.	1 each	054007-26384
C4 (4")	1/cs., 0.23 (0.5)/cs.	1 each	054007-26385
C5 (5")	1/cs., 0.45 (1.0)/cs.	1 each	054007-26698
C6 (6")	1/cs., 0.45 (1.0)/cs.	1 each [520965]	054007-26699
C7 (7")	1/cs., 0.45 (1.0)/cs.	1 each	054007-26700
C8 (8")	1/cs., 0.9 (2.0)/cs.	1 each [520955]	054007-26701
C9 (9")	1/cs., 1.4 (3.0)/cs.	1 each	054007-26702
C10 (10")	1/cs., 1.4 (3.0)/cs.	1 each	054007-26703
C12 (12")	1/cs., 2.3 (5.0)/cs.	1 each	054007-26704

## Ordering Information for K&amp;B Puddle Caps



Product number	Packaging kg (lbs.)	Minimum order	UPC
C7-5	1/cs., 0.91 (2.0)/cs.	1 each	054007-26422
C8-7	1/cs., 0.91 (2.0)/cs.	1 each	054007-26696
C9-5	1/cs., 1.36 (3.0)/cs.	1 each	054007-26423
C9-7	1/cs., 0.91 (2.0)/cs.	1 each	054007-26424
C10-8	1/cs., 1.81 (4.0)/cs.	1 each	054007-26695
c12-8/6	1/cs., 1.27 (5.0)/cs.	1 each	054007-26852

## Ordering Information for K&amp;B Bushings



Product number	Packaging kg (oz.)	Minimum order	UPC
B100-50	1/cs., 0.09 (3)/cs.	1 each	054007-26446
B100-70	1/cs., 0.09 (3)/cs.	1 each	054007-27182
B125-100	1/cs., 0.03 (1)/cs.	1 each	054007-26692
B175-125	1/cs., 0.06 (2)/cs.	1 each [520660]	054007-26528
B175-150	1/cs., 0.06 (2)/cs.	1 each	054007-26527
B225-175	1/cs., 0.09 (3)/cs.	1 each	054007-26519
B225-200	1/cs., 0.17 (6)/cs.	1 each	054007-27185
B275-200	1/cs., 0.17 (6)/cs.	1 each	054007-26520
B275-225	1/cs., 0.11 (4)/cs.	1 each	054007-26521
B275-250	1/cs., 0.06 (2)/cs.	1 each	054007-26522
B300-275	1/cs., 0.09 (3)/cs.	1 each	054007-26523
B360-300	1/cs., 0.11 (4)/cs.	1 each	054007-26524
B360-330	1/cs., 0.11 (4)/cs.	1 each	054007-26525
B390-360	1/cs., 0.11 (4)/cs.	1 each	054007-26526

## Ordering Information for K&amp;B Variable Bushings



Product number	Packaging kg (oz.)	Minimum order	UPC
B-1.0-2.5	1/cs., 0.09 (3)/cs.	1 each	051115-26461
B-2.5-1.0	1/cs., 0.09 (3)/cs.	1 each	054007-26462
B-1.75-1.50-1.0	1/cs., 0.09 (3)/cs.	1 each	054007-26360

## Ordering Information for K&amp;B Collared Cap Clamps



Product number	Packaging kg (oz.)	Minimum order	UPC
3-4CC	1/cs., 0.03 (1)/cs.	1 each	054007-26076
5-9CC	1/cs., 0.03 (1)/cs.	1 each	054007-26077

## Ordering Information for K&B Closure Clamps



Product number	Packaging kg (oz.)	Minimum order	UPC
2SS	1/cs., 0.03 (1)/cs.	1 each	054007-26079
3SS	1/cs., 0.03 (1)/cs.	1 each	054007-26078
4SS	1/cs., 0.03 (1)/cs.	1 each	054007-26080
5SS	1/cs., 0.06 (2)/cs.	1 each	054007-26081
6-7SS	1/cs., 0.09 (3)/cs.	1 each	054007-17598
8SS	1/cs., 0.11 (4)/cs.	1 each	054007-17611
9-10SS	1/cs., 0.11 (4)/cs.	1 each	054007-26104
12SS	1/cs., 0.11 (4)/cs.	1 each	054007-26105

## K&B Accessories

### 5925 Fire Barrier Vault Rehabilitation Kit



217

For use in conjunction with an existing vertically installed K&B Vault Closure when specific fire retardancy requirements such as the Bell System Technical Reference PUB 55006 (Issue 1, Section 5.53) are required.

Kit contents/size:

- Fire Barrier Foil Mat  
298 mm x 3.7 m (11 3/4" x 12')
- No. 69 Glass Cloth Tape  
25 mm x 23 m (1" x 25 yds.)

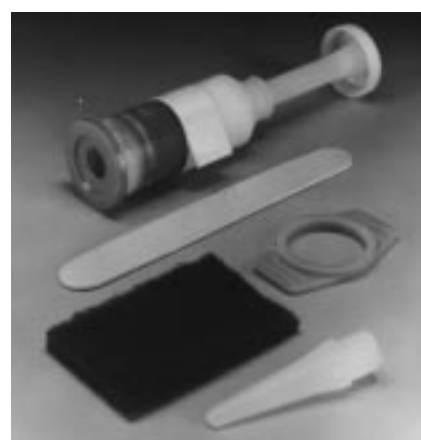
### RC-100 Splice Supports



218

Designed to reduce closure support costs. The rack clips permit fast, multi-positioning of industry standard manhole racks or uni-struts and hooks to facilitate support of a closure. Two supports per set.

### KB-S1 Sealing Kit



219

Designed for sealing split K&B vault sleeves and split end caps. Each kit contains a "Mini-Semkit" of 38g of urethane adhesive, a 50.8 mm x 76.2 mm x 9.5 mm (2" x 3" x 3/8") ScotchBrite™ 7H Pad, a wooden spatula, and instructions.

## Ordering Information for K&B Accessories



Product number	Packaging kg (lbs.)	Minimum order	UPC
5925 Fire Barrier Vault Rehabilitation Kit	1/cs., 4.0 (8.9)/cs.	1 kit	054007-02438
RC-100 Splice Supports	10 sets/cs., 3.5 (7.8)/cs.	10 sets [521781]	054007-31713
KB-S1 Sealing Kit	1 kit/cs., 0.15 (0.33)/cs.	1 kit	054007-31101

Bonding Harness



220

For use in closure to ground shields of spliced cable; 14 AWG.

Cable Lubricant



221

Designed to make vault closure installation faster by lubricating tip cables before insertion into multiple end caps, the cable lubricant evaporates after use and does not damage closure elements in any way. Supplied in a 113.2 g (4 oz.) dauber-top bottle.

Ordering Information for K&B Bonding Harnesses and Cable Lubricant



Product number	Packaging kg (lbs.)	Minimum order	UPC
BH2-6 (2,3,4,5,6" closure)	1/cs., 0.23 (0.5)/cs.	1 set	054007-26362
BH7 (7" closure)	1/cs., 0.45 (1.0)/cs.	1 set	054007-26363
BH8-9 (8-9" closure)	1/cs., 0.68 (1.5)/cs.	1 set	054007-26365
BH10-12 (10-12" closure)	1/cs., 0.91 (2.0)/cs.	1 set	054007-26366
Cable Lubricant	1/cs., 0.11 (0.25)/cs.	1 bottle	054007-26512

K&B Building Riser Closure



The K&B Riser Closure has the same proven qualities of the K&B Vault Closure but are used in applications that do not require an air or water tight closure. Because of this, the end caps do not need to precisely fit the cable and are more versatile and user friendly. Use "Chart A" for determining the proper closure size for your application. All K&B Riser Closures are flame retardant. NOTE: Single port SRC end caps are optional and must be ordered separately.

Kit contents:

- Split Closure Cover
- Stainless steel hose clamps (2)
- Flex strips (4)

- End caps (2)
  - R3 and R5 - 2 each of double (2) entry conical end caps
  - R6-10 - 1 each of a single (1) entry conical end cap and 1 each of a ten (10) port rubber end cap. Also 1 each of a 4 ounce bottle of cable lubricant.
  - R7 and R9 - 2 each of triple (3) entry conical end caps

R-6 10 Port/Single Entry Closure



222

R3, R5, R7 and R9 Closures



223

## Closure Selection Guide

mm (inches)

Product number	R-3	R-5	R-6	R-7	R-9
Closure inside dimensions					
Diameter	76 (3)	127 (5)	152 (6)	178 (7)	228 (9)
Length	24 (607)	660 (26)	660 (26)	660 (26)	660 (26)
Approx. splice bundle capacity (Super-Mini)	300-pr. 24 AWG or less*	900-pr. 24 AWG*	900-pr. 24 AWG*	1800-pr. 24 AWG*	3000-pr. 26 AWG*
<b>Maximum allowable cable diameter</b>					
Multiple entry end caps					
Port 1	30 (1.2)	51 (2.0)	84 (3.3)	79 (3.1)	96 (3.8)
Port 2	30 (1.2)	51 (2.0)	Ports 1-10	61 (2.4)	79 (3.1)
Port 3	—	—	28 (1.1)	51 (2.0)	61 (2.4)
Optional single entry end caps	SRC-3 43 (1.7)	SRC-5 61 (2.4)		SRC-7 91 (3.6)	SRC-9 96 (3.8)

\* BASED ON 2-BANK STRAIGHT SPLICE USING 4000-D/TR MODULES.

## Ordering Information for K&B Building Riser Closure Kits



Product number	Packaging kg (lbs.)	Minimum order	UPC
R3 (Double Cap/Double Cap)	10/cs., 11.62 (25.6)/cs.	10 kits [87007179]	054007-33484
R5 (Double Cap/Double Cap)	1/cs., 2.86 (6.3)/cs.	1 each	054007-33485
R7 (Triple Cap/Triple Cap)	1/cs., 4.18 (9.2)/cs.	1 each	054007-33486
R9 (Triple Cap/Triple Cap)	1/cs., 5.08 (11.2)/cs.	10 kits	054007-33487
R6 (Multiple Port End Cap)	1/cs., 4.63 (10.2)/cs.	1 each [87202139]	054007-33488

Riser closure end caps —  
Single entry (optional)



224

Product Number	Description	Cap Dimension
SRC-3	Riser Closure End Cap	3 (76)
SRC-5	Riser Closure End Cap	5 (127)
SRC-7	Riser Closure End Cap	7 (178)
SRC-9	Riser Closure End Cap	9 (229)

## Ordering Information for K&B Riser Closure End Caps-Single Entry



Product number	Packaging kg (lbs.)	Minimum order	UPC
SRC3 (3")	10/cs., 1.22 (2.7)/cs.	10 each [87204473]	054007-33490
SRC5 (5")	10/cs., 2.8 (6.1)/cs.	10 each	054007-33491
SRC7 (7")	1/cs., 0.63 (1.4)/cs.	1 each	054007-33493
SRC9 (9")	1/cs., 0.77 (1.7)/cs.	1 each	054007-33489