

3M™ Scotchcast™ Closures 8980 Series

3M™ Scotchcast™ Closures 8980 Series use a gravity fill method of encapsulating and protecting copper cables in either an underground or direct buried environment. Six rigid body closure sizes are offered to meet various cable diameters and splicing capacities for the outside plant environment. Kits are packed with either 3M™ High Gel Re-enterable Encapsulant 8882 for easy re-entry or 3M™ Scotchcast™ Splice Encapsulating Compound 4407 for permanent protection.



3M™ Scotchcast™ Closures 8980 Series

Kit Contents

3M™ Scotchcast™ Closure 8981 Kit Contents		In 4407 Kit	In 8882 Kit
1	Left and right closure halves	•	•
1	3M™ Scotchlok™ Service Wire Shield Connector 4464		•
2	Pour spouts	•	•
3	Strips of Scotch® Rubber Splicing Tape 23	•	•
2	3M™ Scotchlok™ Shield Bond Connectors 4460-D		•
1	Spacer web	•	•
2	Cable ties		•



Example of a kit for the 3M™ Scotchcast™ Closures 8980 Series

3M™ Scotchcast™ Closure 8982 & 8983 Kit Contents		In 4407 Kit	In 8882 Kit
1	Left and right closure halves	•	•
1	Bonding strap 6.5" (165 mm)		•
1	Spacer tube		•
2	Pour spouts	•	•
1	Spacer web	•	•
1	DR Tape		•
1	Scotch® All Weather Telephone Vinyl Plastic Tape 88T		•
1	B Sealing Tape Strips		•
2	4460-D shield bond connectors		•
1	Sheath scuff		•
2	Cable ties		•
3	Strips of Scotch® Rubber Splicing Tape 23	•	

3M™ Scotchcast™ Closure 8984 Kit Contents		In 4407 Kit	In 8882 Kit
1	Upper and lower closure halves	•	•
1	Strain relief bar 11.5" (292 mm)		•
1	Spacer tube		•
1	Spacer web	•	•
1	DR Tape		•
1	Scotch® All Weather Telephone Vinyl Plastic Tape 88T		•
2	B Sealing tape strips		•
2	3M™ Scotchlok™ Shield Connectors 4460-D		•
1	Sheath scuff		•
2	Cable ties		•
1	Cover	•	•
3	Strips of Scotch® Rubber Splicing Tape 23	•	
2	Fiberglass strip-bulk roll	•	

3M™ Scotchcast™ Closure 8985 & 8986 Kit Contents		In 4407 Kit	In 8882 Kit
1	Upper and lower closure halves	•	•
2	Strain relief bars 19.5" (495 mm)		•
2	Spacer tubes		•
1	DR tape		•
1	88T vinyl tape		•
2	B sealant tape strips		•
4	3M™ Scotchlok™ Shield Connectors 4462-FN		•
1	Sheath scuff		•
1	Spacer web	•	•
2	Cable ties		•
3	#23 tape strips	•	
2	Fiberglass strip-bulk roll	•	
1	Cover	•	•

Accessories Required	
Splicing connectors	
Additional rubber tape, if needed	
Additional B sealing tape, if needed	

Kit Selection Guide

3M™ Scotchcast™ Closures 8980 Series with 3M™ High Gel Re-enterable Encapsulant 8882

Kit	Max. Pair Count	Max. Cable O.D.	Max Splice Opening	With High Gel Re-enterable Compound	Approx. Inside Closure Dia.
8981/High Gel*	4/24†	0.625" (16 mm)	1.5" (38 mm)	(1) "A" Size Uni-pack 82 g (90 ml)	0.5" (13 mm)
8982/ High Gel*	18/24†	1" (25 mm)	5.25" (133 mm)	(1) "E" Size Uni-pack 266 g (292 ml)	0.9" (22mm)
8983/High Gel	50/24***	1.5" (38 mm)	9.75" (248 mm)	(1) "D" Size Uni-pack 600 g (659 ml)	1.25" (32 mm)
8984/High Gel	100/22***	2" (51 mm)	9" (228 mm)	(2) "D" Size Uni-pack 1200 g (1318 ml)	2.25" (58 mm)
8985/High Gel	400/22***	2.375" (60 mm)	17" (431 mm)	(5) "D" Size Uni-pack 2400 g (3295 ml)	3.5" (90 mm)
8986/High Gel	600/22***	3.33" (86 mm)	17" (431 mm)	(10) "D" Size Uni-pack 6000 g (6590 ml)**	4.75" (120 mm)

* Intended for use on single cables only
** Additional compound may be required depending on cable size
*** Maximum pair count for the 3M™ MS™ Splicing System
† Use only with 3M Scotchlok Butt Connectors

3M™ Scotchcast™ Closures 8980 Series with 3M™ Scotchcast™ Encapsulating Compound 4407

Kit	Max. Pair Count	Max. Cable O.D.	Max Splice Opening	With Scotchcast 4407 Encapsulating Compound	Approx. Inside Closure Dia.
8981-07*	4/24†	0.625" (16 mm)	1.5" (38 mm)	(1) "A" Size Uni-pack 94 g (90 ml)	0.5" (13 mm)
8982-07*	18/24†	1" (25 mm)	5.25" (133 mm)	(1) "E" Size Uni-pack 300 g (290 ml)	0.9" (22mm)
8983-07	50/24***	1.5" (38 mm)	9.75" (248 mm)	(1) "D" Size Uni-pack 675 g (660 ml)	1.25" (32 mm)
8984-07	100/22***	2" (51 mm)	9" (228 mm)	(2) "D" Size Uni-pack 1350 g (1320 ml)	2.25" (58 mm)
8985-07	400/22***	2.375" (60 mm)	17" (431 mm)	(5) "D" Size Uni-pack 3375 g (2640 ml)	3.5" (90 mm)
8986-07	600/22***	3.33" (86 mm)	17" (431 mm)	(10) "D" Size Uni-pack 6750 g (6600 ml)**	4.75" (120 mm)

* Intended for use on single cables only
** Additional compound may be required depending on cable size
*** Maximum pair count for the 3M™ MS™ Splicing System
† Use only with 3M Scotchlok Butt Connectors

Ordering Information

3M™ Scotchcast™ Closures 8980 Series with 3M™ High Gel Re-enterable Encapsulant 8882

Product Number	Product Description	3M ID	Min. Order
8981-8882/HIGHGEL	Rigid body closure kit	80-6111-4775-4	10
8982-8882/HIGHGEL	Rigid body closure kit	80-6111-4776-2	10
8983-8882/HIGHGEL	Rigid body closure kit	80-6111-4777-0	10
8984-8882/HIGHGEL	Rigid body closure kit	80-6111-4778-8	1
8985-8882/HIGHGEL	Rigid body closure kit	80-6111-4779-6	1
8986-8882/HIGHGEL	Rigid body closure kit	80-6111-4780-4	1

3M™ Scotchcast™ Closures 8980 Series with 3M™ Scotchcast™ Encapsulating Compound 4407 Ordering Information

Product Number	Product Description	3M ID	Min. Order
8981-07	Rigid body closure kit with 4407 encapsulating compound	80-6100-6704-5	10
8982-07	Rigid body closure kit with 4407 encapsulating compound	80-6100-6705-2	10
8983-07	Rigid body closure kit with 4407 encapsulating compound	80-6100-6706-0	10
8984-07	Rigid body closure kit with 4407 encapsulating compound	80-6101-0992-0	1
8985-07	Rigid body closure kit with 4407 encapsulating compound	80-6101-0990-4	1
8986-07	Rigid body closure kit with 4407 encapsulating compound	80-6100-6709-4	1

3M, MS[®], Scotchlok and Scotchcast are trademarks of 3M Company.
Scotch is a registered trademark of 3M Company.

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**



Communication Markets Division

6801 River Place Blvd.
Austin, TX 78726-9000
800/695 0447
Fax 800/626 0329
www.3M.com/Telecom

Please recycle. Printed in U.S.A.
© 3M 2010. All rights reserved.
80-6113-2881-8