# 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**

| 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™ MS²™ 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™ MS²™ 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 |

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