3M™ Cold Shrink Three Conductor Breakout Kit 3C-BOK Series

For using 3M™ Single Conductor Accessories on Three-Conductor Cables, 5–35 kV

The 3M™ Cold Shrink Three Conductor Breakout Kit includes everything you need to use 3M™ Single Conductor Accessories on three-conductor cables; ultimately, this offers you much greater flexibility for 3/C medium voltage applications – especially in tight spaces. Based on field-proven cold shrink technology pioneered by 3M and 40+ years of experience, the Breakout Kit is easy and quick to install, even in confined spaces – with no special tools, torch/flame or hot permits required. These kits, when used with our 1/C Terminations, allow for a much shorter overall install length than is possible with our “3G” series kits (3M™ Cold Shrink QT-III Termination Kit 3G Series)—and with fewer parts.

There are many other possible configurations for these Breakout Kits (e.g. with more or less rejacketing, with heat shrink, etc.), and 3M can custom package these kits to fit your needs.

The Breakout Kit can also be customized to include lugs, mounting brackets, grounding tails and other hardware for your specific site requirements. What’s more, our experienced Construction Services personnel will create application take-offs based on your documentation and cable schedules, in order to provide terminating solutions tailored for your application.

• All components needed are included in the kit
• Multi-Purpose: can be used with 3M™ Terminations, 3M™ T-Bodies, and 3M™ Push-On Elbows
• Customizable Kits: lugs, mounting brackets, rejacketing can all be adjusted per your needs
• Hydrophobic, track and erosion resistant silicone provides long-term performance and high reliability
• Long-term reliability even in contaminated areas
• Fewer components to make installation easy and fast
• Shorter installed length which makes it suitable for confined areas
• No need for a torch/heat source
• No need for a hot permit
• No special tools needed
• Easy unwinding pull-core that requires less pull strength than a one-piece tube
• Meets global industry standards IEEE 48, Cenelec 0278, IEC 502 and GB

Designed to help keep your project on track, on time and on budget.
# 3M™ Cold Shrink Three Conductor Breakout Kit 3C-BOK Series

For using 3M™ Single Conductor Accessories on Three-Conductor Cables, 5–35 kV

## Kit Contents

Use one Breakout Kit (BOK) per three-conductor cable. Each Breakout Kit contains the following appropriately sized components and accessories:

- 1 Cold Shrink Silicone Rubber Breakout Boot (includes 2 Strips Scotch® Mastic Strip 2230)
- 3 Silicone Rubber Phase Rejacketing Sleeve (RJS) Assemblies (4 ft. length each)
- 1 Constant Force Spring (Large) — for armored cable only
- 1 Long Tail Tinned Copper Ground Braid with Solder Block — for armored cable only
- 3 Strips Scotch® Mastic Strip 2230 (black with white release liner, bagged)
- 1 Roll Scotch® Super 33+™ Vinyl Electrical Tape, ¾ in.
- 1 Roll, Scotch® Electrical Shielding Tape 24 — for armored cable only
- Instruction Sheet

For general inquiries or customized Breakout Kits, call: 1-800-245-3573 or contact your 3M Sales Representative.
You can also visit us online at [www.3M.com/electrical](http://www.3M.com/electrical).

## Product Ordering Information

<table>
<thead>
<tr>
<th>Kit Number</th>
<th>Cable Insulation O.D. Range, in (mm)</th>
<th>Cable O.D. Max, in (mm)</th>
<th>5 kV 100%</th>
<th>133%</th>
<th>8 kV 100%</th>
<th>133%</th>
<th>15 kV 100%</th>
<th>133%</th>
<th>25/28 kV 100%</th>
<th>133%</th>
<th>35 kV 100%</th>
<th>133%</th>
</tr>
</thead>
<tbody>
<tr>
<td>3C-BOK-1</td>
<td>0.33–0.50 (8.4–12.7)</td>
<td>1.94 (49.3)</td>
<td>8–2</td>
<td>6–4</td>
<td>6–4</td>
<td>6–4</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>3C-BOK-2</td>
<td>0.50–0.70 (12.7–17.8)</td>
<td>2.67 (67.8)</td>
<td>1–3/0</td>
<td>2–2/0</td>
<td>2–2/0</td>
<td>2–2/0</td>
<td>2–1</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>3C-BOK-3</td>
<td>0.70–0.92 (17.8–23.4)</td>
<td>3.10 (78.7)</td>
<td>4/0–350</td>
<td>3/0–350</td>
<td>3/0–350</td>
<td>1/0–4/0</td>
<td>2–3/0</td>
<td>1–1/0</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>3C-BOK-4</td>
<td>0.92–1.18 (23.4–30.0)</td>
<td>4.32 (109.7)</td>
<td>400–500</td>
<td>400–500</td>
<td>400–500</td>
<td>250–350</td>
<td>4/0–350</td>
<td>2/0–250</td>
<td>1–4/0</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>3C-BOK-5</td>
<td>1.18–1.52 (30.0–38.6)</td>
<td>4.70 (119.4)</td>
<td>700–1000</td>
<td>700–1000</td>
<td>700–1000</td>
<td>500–750</td>
<td>500–750</td>
<td>250–500</td>
<td>4/0–500</td>
<td>1/0–350</td>
<td>350–750</td>
<td>350–750</td>
</tr>
<tr>
<td>3C-BOK-6</td>
<td>1.53–1.81 (38.8–46.0)</td>
<td>5.52 (140.2)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>1000</td>
<td>750</td>
<td>500–750</td>
<td>350–750</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3M, Scotch and Super 33+ are trademarks 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 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 indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

---

3M
6801 River Place Blvd.
Austin, TX 78726-9000
800 245 3573
FAX 800 245 0329
www.3M.com/electrical

Please recycle. Printed in USA.
© 3M 2014. All rights reserved.
Issued: 11/14  10244HB
80-6016-0772-6