

Instructions

3M

GSHA-8 QTII Hi-Amp

Termination Grounding Accessory Kit
For L.C. Shielded and Tape Shielded Cable
with Extruded Insulation Shield

Designed For Use With:

3M Quick Term II
Termination Kits

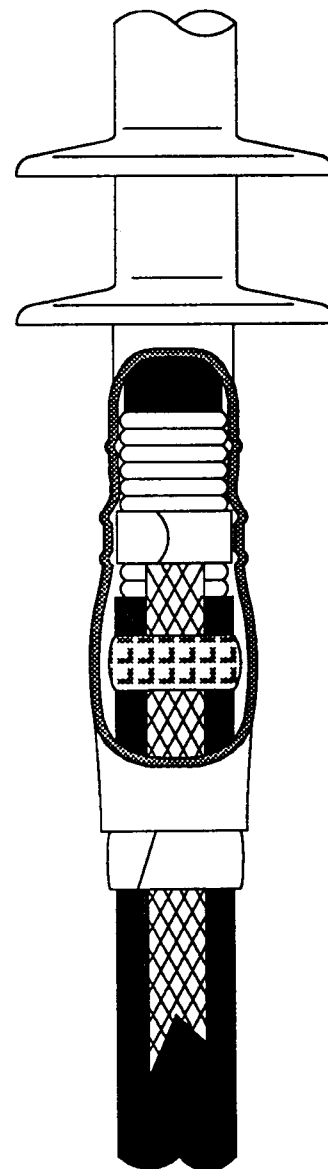
Kit Contents

3 Mastic Seal Strips
1 Constant-Force Spring
1 Preformed Ground Braid
1 Instruction Sheet

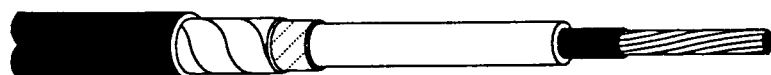
Cable and Termination Accommodation Chart
(Final determining factor for ground strap is cable shield diameter)

Product	Insulation Class	Conductor Range (kcm)			
		350	500	750	1000
GSHA-8	15 kV (.175)	5643	5643	5643	5644
	15 kV (.220)	5643	5643	5644	5644
	25 kV (.260)	5653	5653	5654	5654
	25 kV (.280)	5653	5653	5654	5654
	35 kV (.345)	5647	5648	5648	5648
Shield Diameter Accommodation Range: 1.25" (32 mm) min. to 2.25" (570 mm) max.					

Table 1



LC Shielded Power Cable



Tape Shield

**GSHA-8 QTII
Hi-Amp**

Termination Grounding Accessory Kit

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Primary Short Circuit Capacity
Rated 15 kA – 15~

2047U-67

ISSUE DATE: 4/27/93

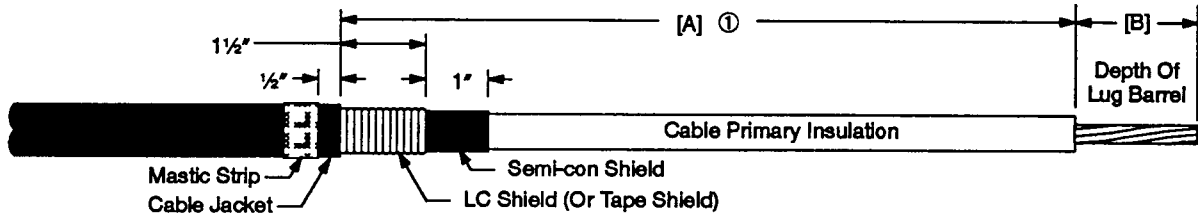
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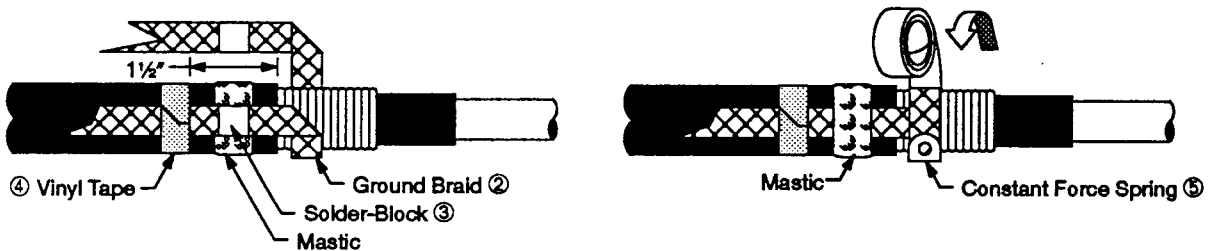
Grounding Kit Installation

	5643	5644	5653	5654	5647	5648
[A]	8" (205 mm)	8" (205 mm)	11" (280 mm)	11" (280 mm)	16" (410 mm)	16" (410 mm)

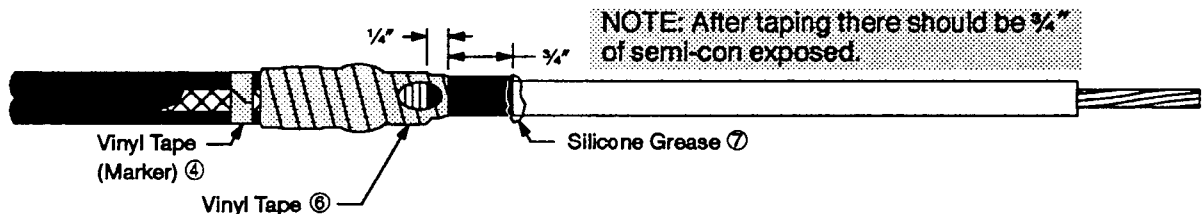
1. Confirm correct termination selection from *Table 1* on page 1.
2. Prepare cable according to chart above and figure below. Jacket removal distance is [A] + [B]. Match [A] dimension ① to termination product number in chart.



3. Select one of three mastic strips from kit. Remove liners and wrap mastic around cable jacket 1/2" (13 mm) from cut edge. Discard any excess from this piece.
 4. Position twin pre-formed ground braid ② with one tail along cable jacket and solder-block ③ centered on mastic strip. Secure strap to cable jacket with vinyl tape (not supplied) 1 1/2" (38 mm) from jacket cut edge as shown ④.
- NOTE:** This tape will also determine installation alignment (a positioning marker for the termination).



5. Wrap braid around cable metallic shield and secure in place with constant force spring ⑤ (supplied). Wrap spring in the same direction as the ground strap and cinch (tighten) the final lap.
6. Repeat step (4.) to position second ground braid tail (not shown in sketch) and apply second mastic strip layer over solder-block position.
7. Starting 1/4" ahead of the end of the metallic shield, wrap two half-lapped layers vinyl tape ⑥ (not supplied) extending 1/4" (6 mm) beyond mastic onto cable jacket. Return to starting point to complete second layer.



8. Refer to standard Quick Term II instructions to complete termination installation. **Do not omit silicone grease at semi-con edge ⑦.**

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