



QT-III

Cold Shrink™ Silicone Rubber Termination (With High-K Stress Relief)

Instruction Sheet

IEEE Std. No. 48-1990

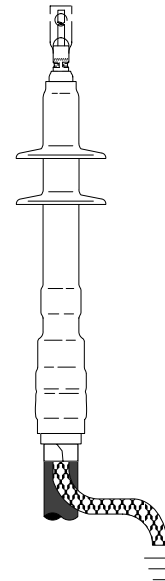
Class 1 Termination

5/8.7 kV Class

95 kV BIL

Kit Contents:

- 3 Hi-K, Tracking Resistant, Silicone Rubber Terminations
- 3 Preformed Ground Braids
- 3 Constant Force Springs
- 6 Strips Sealing Mastic
(black with white release liners, bagged)
- 1 Scotch™ CC-2 Cable Preparation Kit
- 1 Instruction Sheet

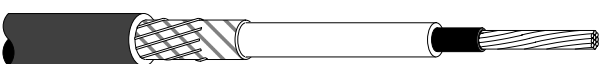
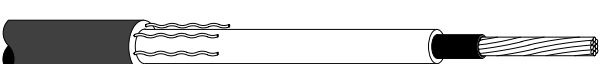


Kit Selection Chart

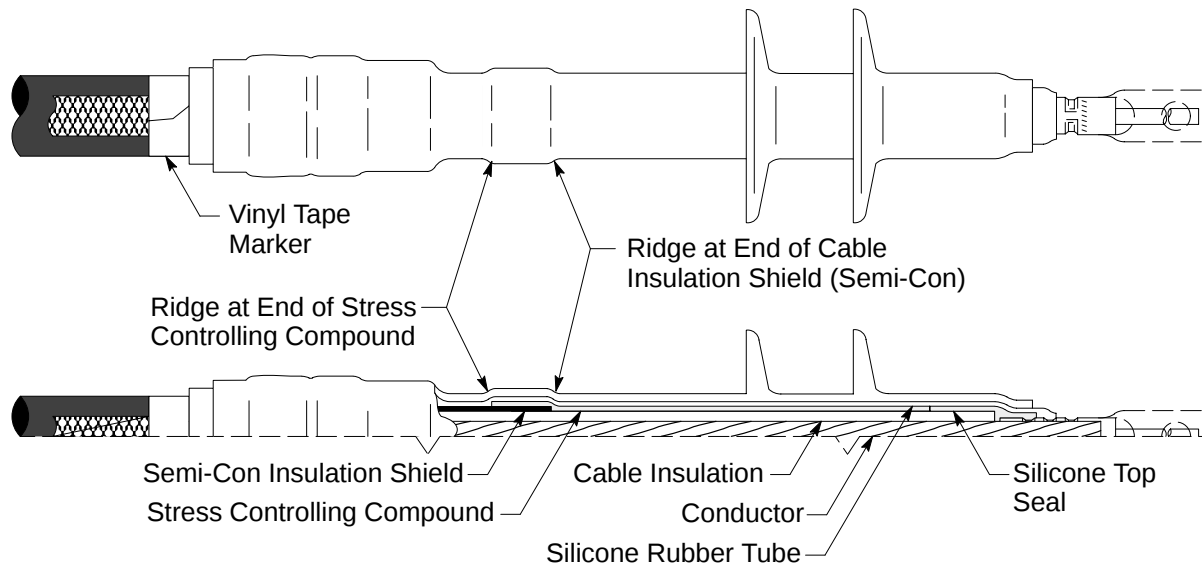
NOTE: Final Determination Factor is cable insulation diameter.

Kit Number	Primary Insulation O.D. Range	Jacket O.D. Range	Conductor Size Range (AWG & kcmil)	
			5 kV 100% 133%	8.7 kV 100% 133%
7620-S-2	0.32" – 0.59" (8,1 – 15,0 mm)	0.52" – 0.78" (13,3 – 19,9 mm)	8 – 4	8 – 6
7621-S-2	0.44" – 0.89" (11,2 – 22,6 mm)	0.65" – 1.05" (16,6 – 26,8 mm)	2 – 3/0	4 – 2/0

Table 1

 Tape Shield (page 2)		3M QT-III Silicone Rubber Outdoor Skirted Termination Kits for Single Conductor Tape Shield, Wire Shield and UniShield® Cables 7620-S-2 7621-S-2
 Wire Shield (page 6)		
 UniShield® (page 10)		
NUMBER OF PAGES: 18	SCALE: Not to scale	78-8117-0508-2
ISSUE DATE: 7/29/96	ISSUE: A	

Correct Installation of Termination on Tape Shielded Cable



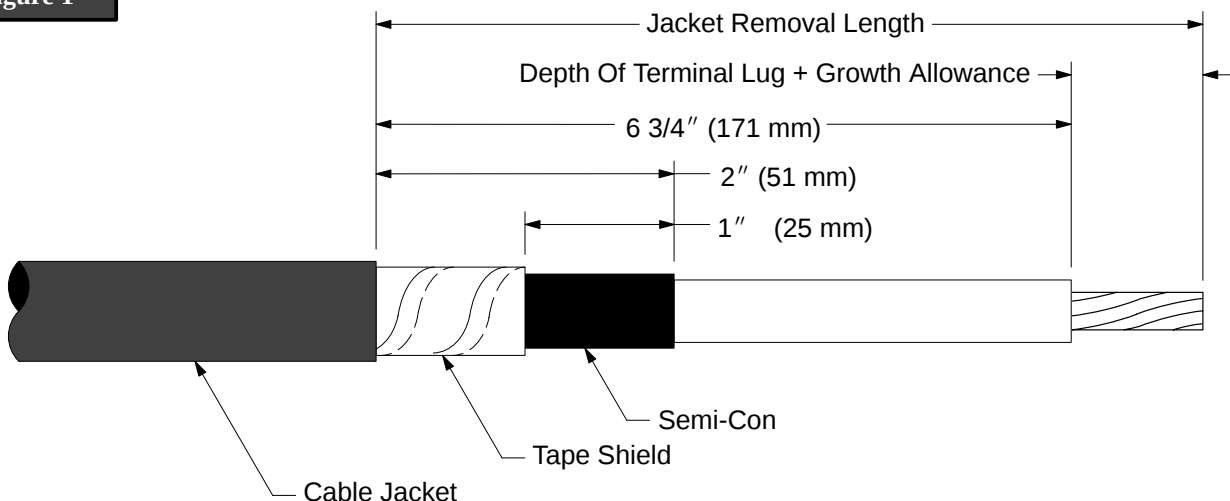
Instructions for Tape Shielded Cable

A. Prepare Cable

1. Check to be sure cable size fits within kit range as shown in *Table 1* (cover page).
2. Prepare cable using dimensions shown in (Figure 1). **Be sure to allow for depth of terminal lug.** If necessary to prevent tape shield from unrolling, **TEMPORARILY** hold down edge with a single wrap of vinyl electrical tape.

NOTE: Provide additional 1/4" (6 mm) exposed conductor distance to account for growth during crimping of ALUMINUM lugs or connectors.

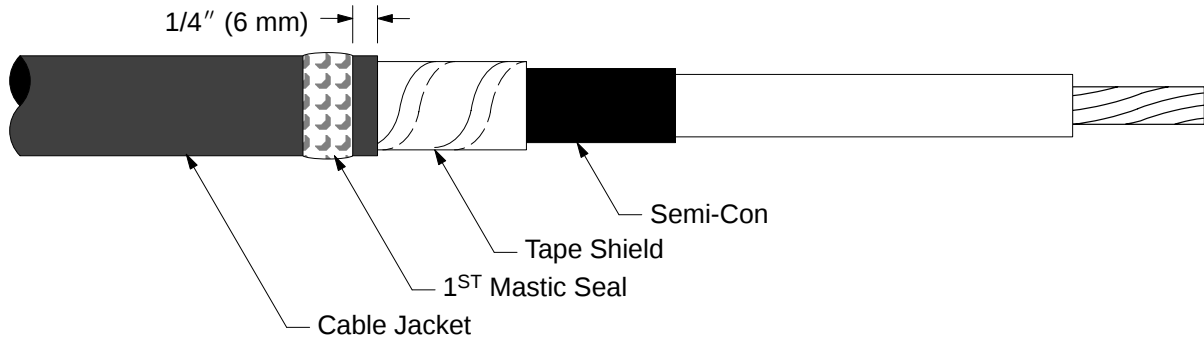
Figure 1



B. Install Ground Braid

1. Select one of six mastic strips from kit and remove white release liners. Using light tension apply a single wrap of mastic around the cable jacket 1/4" (6 mm) from cut edge (*Figure 2*). Cut off excess.

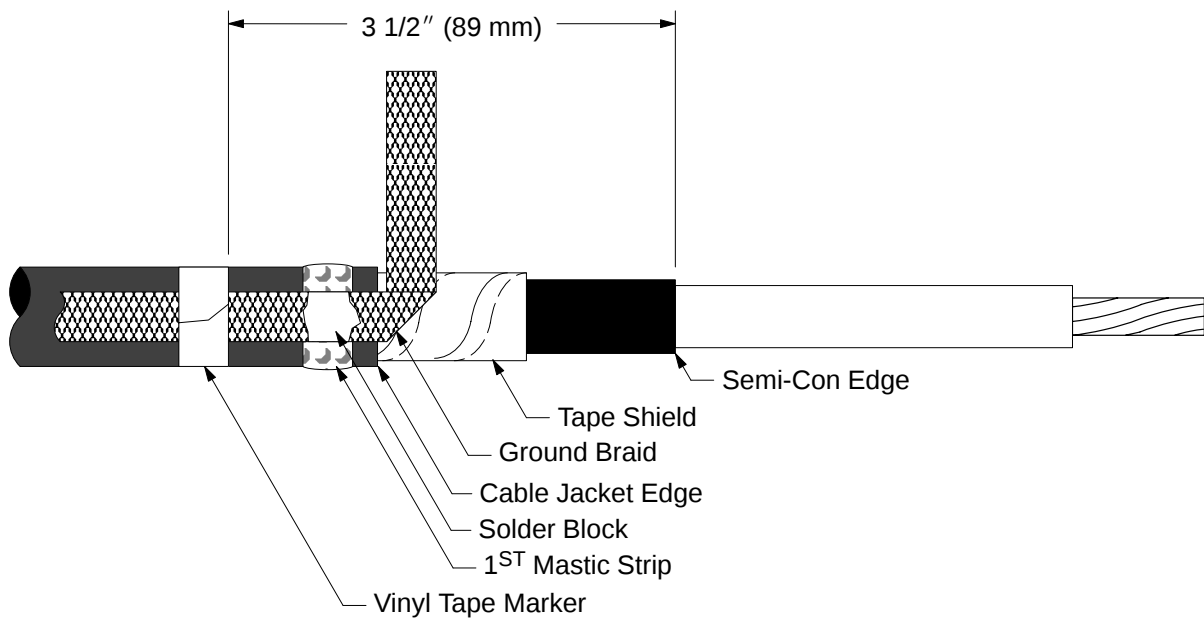
Figure 2



2. Position pre-formed ground braid with short tail over tape shield directly adjacent to cable jacket cut edge. Position long tail of ground braid, extending over cable jacket with solder block over mastic strip (*Figure 3*). Secure ground braid to cable jacket 3 1/2" (89 mm) from cable semi-con edge using vinyl tape (*Figure 3*).

NOTE: Position vinyl tape with care, it also serves as a marker for positioning the termination.

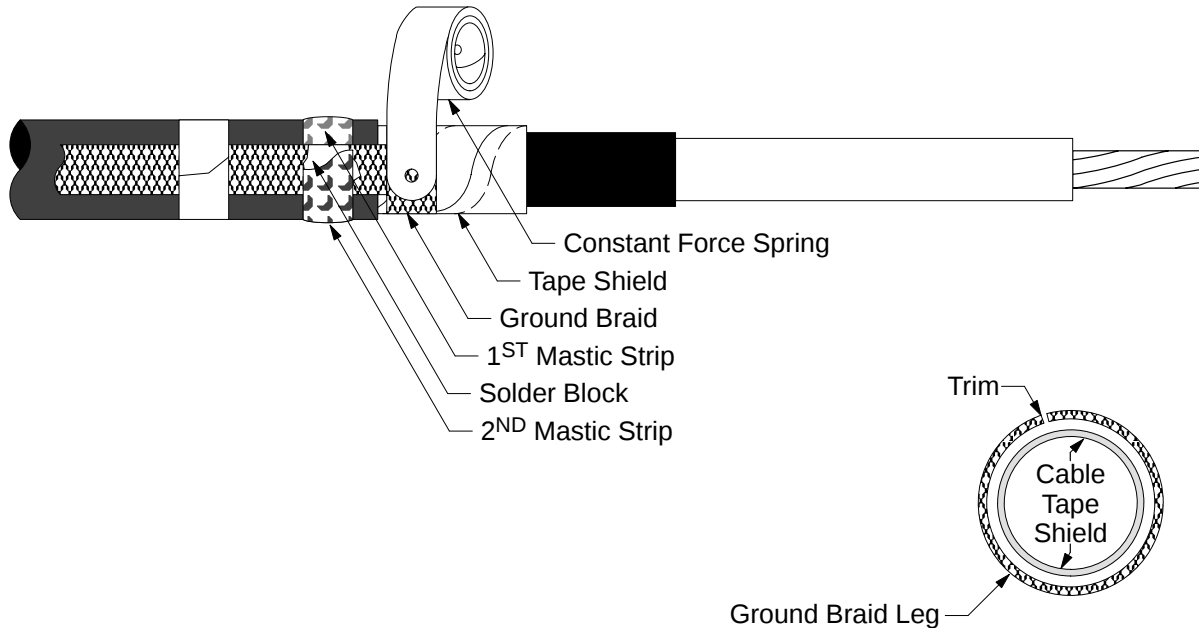
Figure 3



B. Install Ground Braid (continued)

3. Wrap ground braid around cable tape shield one complete wrap, trim excess to prevent overlap and secure in place with constant force spring. Wrap spring in same direction as ground braid (*Figure 4*). Cinch (tighten) the spring after wrapping the final winding.
4. Select second mastic strip from kit and remove white release liners. Apply a second mastic band over solder block on ground braid and previously applied mastic (*Figure 4*). Cut off excess.

Figure 4



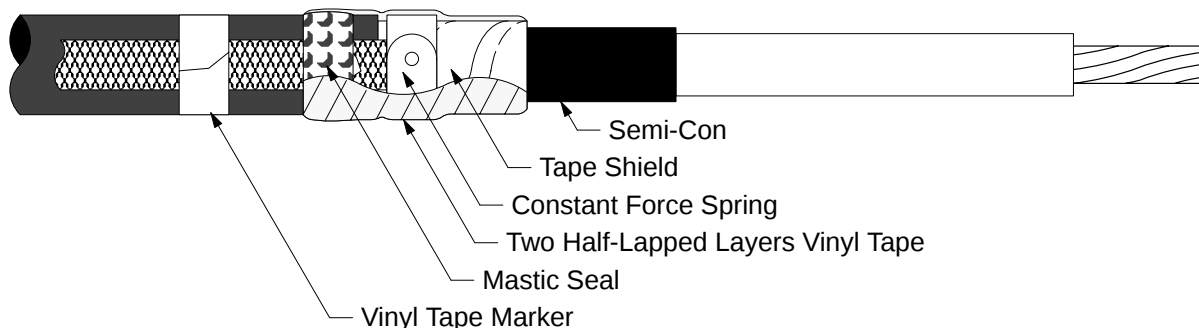
5. Wrap two half-lapped layers of vinyl tape around mastic seal, constant force spring and exposed tape shield (*Figure 5*).

NOTE: Take care not to cover exposed semi-con insulation shield. A minimum of 3/4" (19 mm) must be exposed.

SPECIAL NOTE FOR CLOTH OR PAPER SEMI-CON INSULATION SHIELD

In cables with cloth or paper semi-conductive shields it is recommended the shield be over wrapped with one half-lapped layer of highly stretched semi-conductive rubber tape such as Scotch™ No. 13.

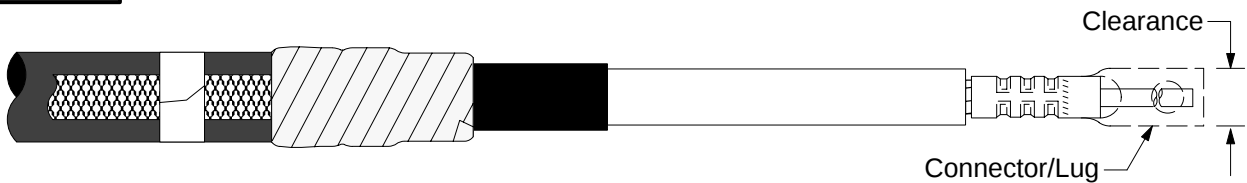
Figure 5



C. Install Lug or Connector

1. Check to insure QT-III termination assembly fits over the selected lug. If lug (*Figure 6*) will not fit through the termination core, clean the insulation (*per Step D*) and slide termination on cable before installing lug. **Do not remove core at this time.**

Figure 6



NOTE: Refer to pages 15 – 17 for 3M connector/lug crimping information.

2. Position connector/lug and crimp according to manufacturers directions. Remove excess oxide inhibitor and sharp crimp flashings following crimping.

D. Clean Cable Insulation and Lug Barrel Using Standard Practice

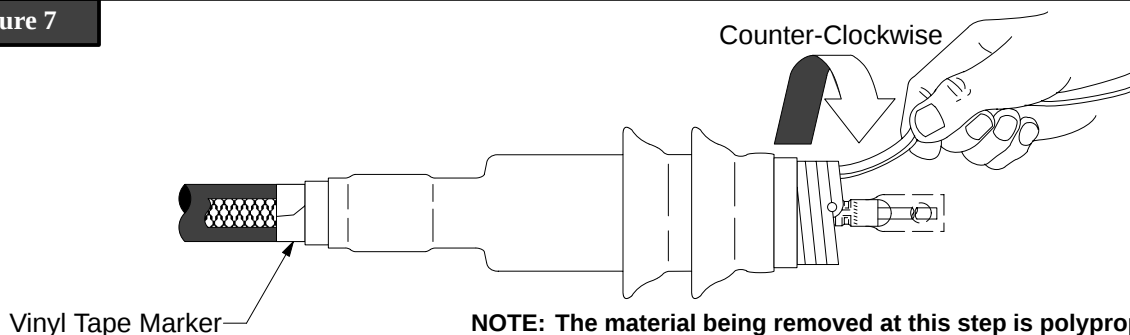
1. Wipe the cable insulation with one of the solvent saturated pads from the CC-2 Cable Preparation Kit. **Do not allow solvent to touch semi-con insulation shield!**
2. If abrasive must be used:
 - a. Use on insulation only. **Do not use abrasive on semi-con insulation shield!**
 - b. Use only aluminum oxide abrasive; grit 120 or finer, included in CC-2 Cable Preparation Kit.
 - c. Be careful not to reduce the cable insulation diameter below that allowed by the kit.

E. Install Termination

1. Slide the termination body onto the cable and remove core. Pull while unwinding, counter-clockwise, starting with the loose end (*Figure 7*). Make sure the termination body (not the core) is butted up to the edge of the vinyl tape marker previously applied (*Figure 7*).

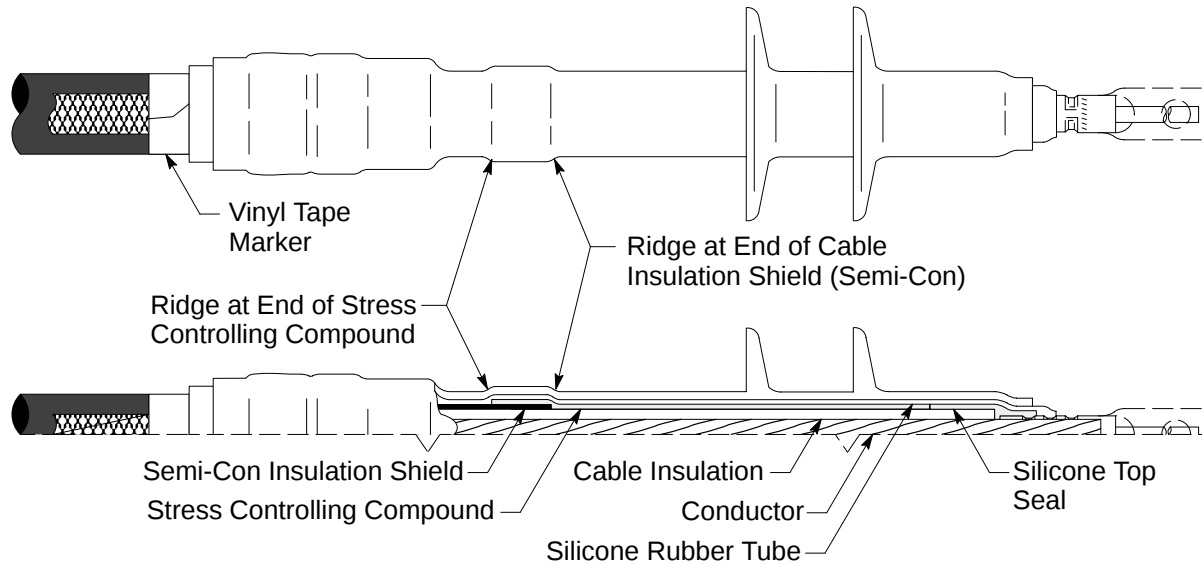
NOTE: Once the termination insulator has made contact over the mastic seal area, there is no need to continue supporting the assembly. Do not push or pull on the termination assembly while unwinding the core.

Figure 7



2. When using a short barrel lug or connector on smaller size cable it may be necessary to trim any excess termination insulator from the lug or connector.
3. Connect ground braid to system ground according to standard practice.

Correct Installation of Termination on Tape Shielded Cable



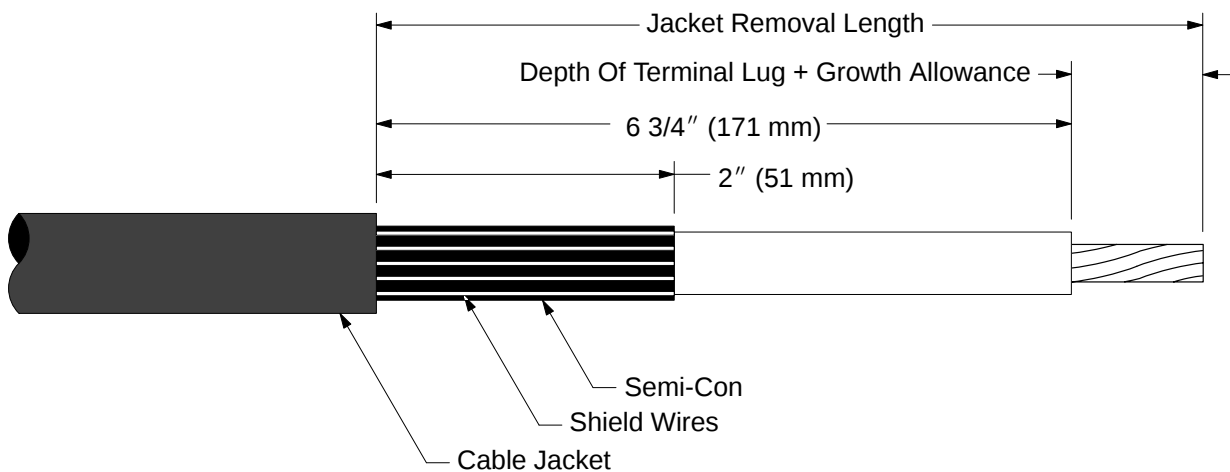
Instructions for Wire Shielded Cable

A. Prepare Cable

1. Check to be sure cable size fits within kit range as shown in *Table 1 (cover page)*.
2. Prepare cable using dimensions shown in *(Figure 8 and Figure 9)*. **Be sure to allow for depth of terminal lug.**

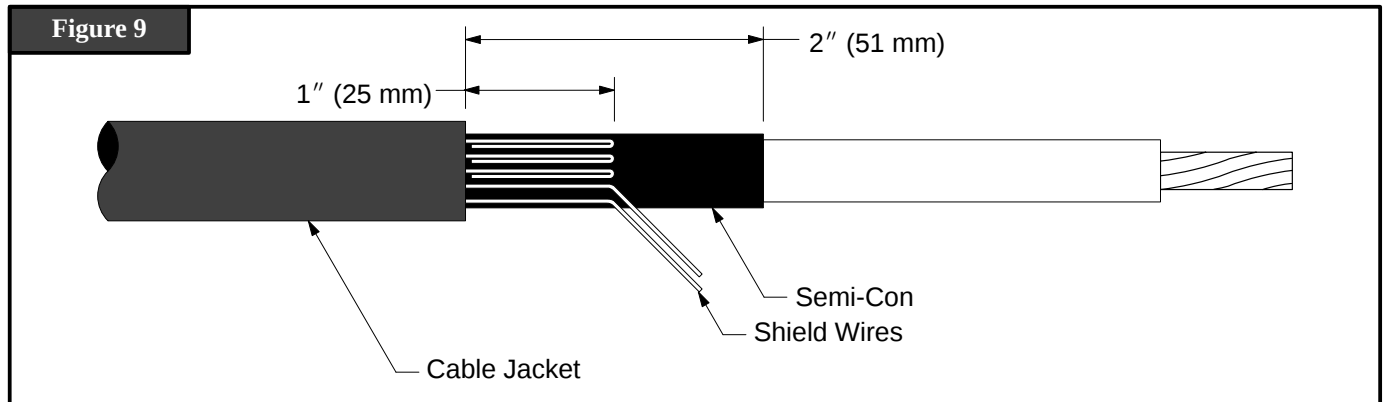
NOTE: Provide additional 1/4" (6 mm) exposed conductor distance to account for growth during crimping of ALUMINUM lugs or connectors.

Figure 8



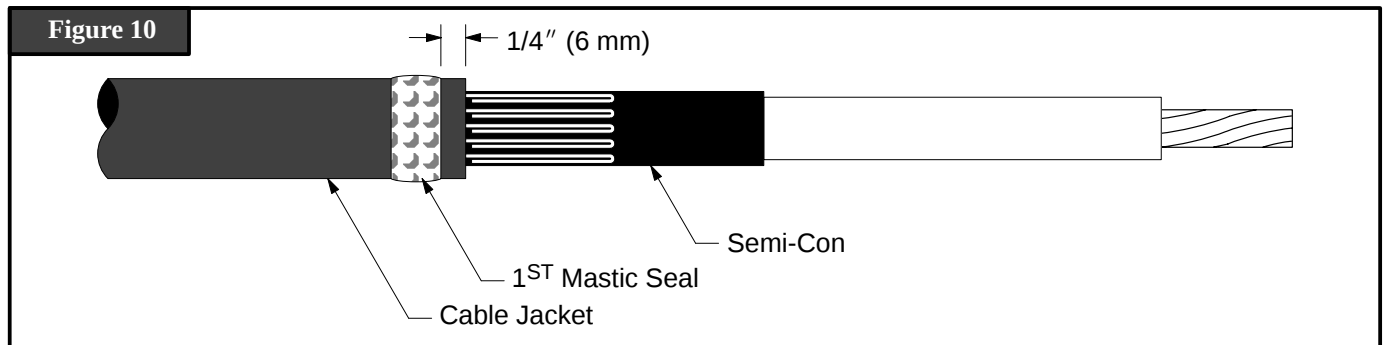
A. Prepare Cable (continued)

3. Bend leading 1" (25 mm) of exposed shield wires back upon themselves to jacket edge (*Figure 9*).



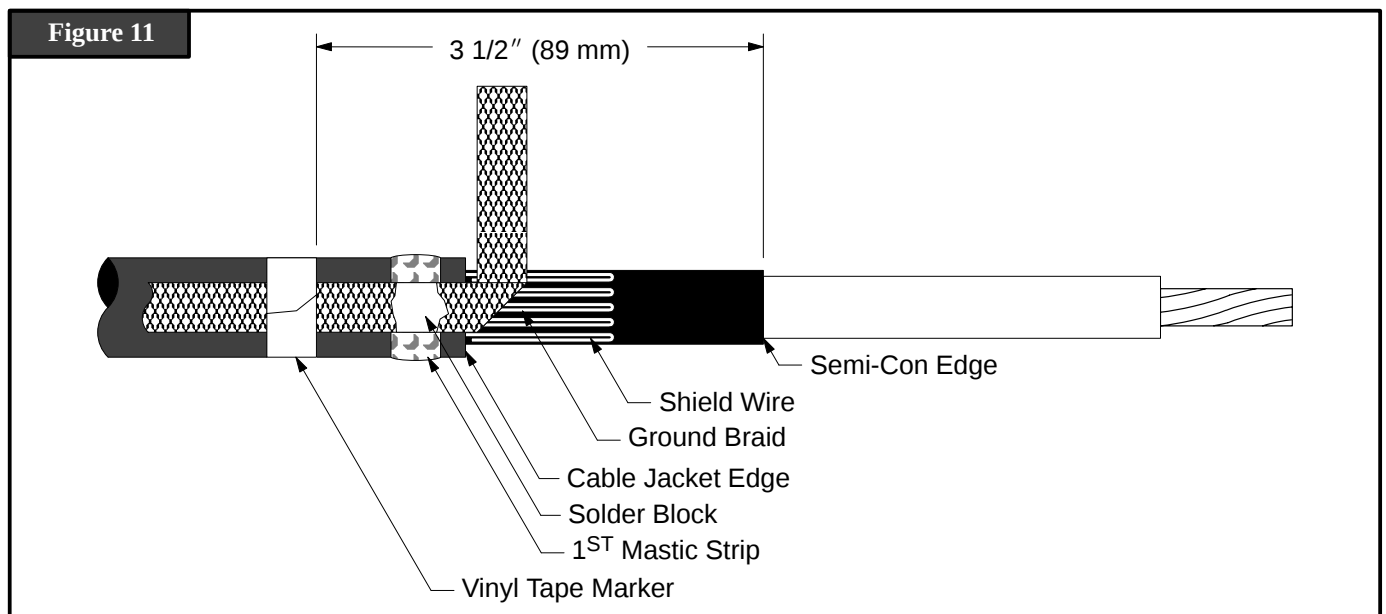
B. Install Ground Braid

1. Select one of six mastic strips from kit and remove white release liners. Using light tension apply a single wrap of mastic around the cable jacket 1/4" (6 mm) from cut edge (*Figure 10*). Cut off excess.



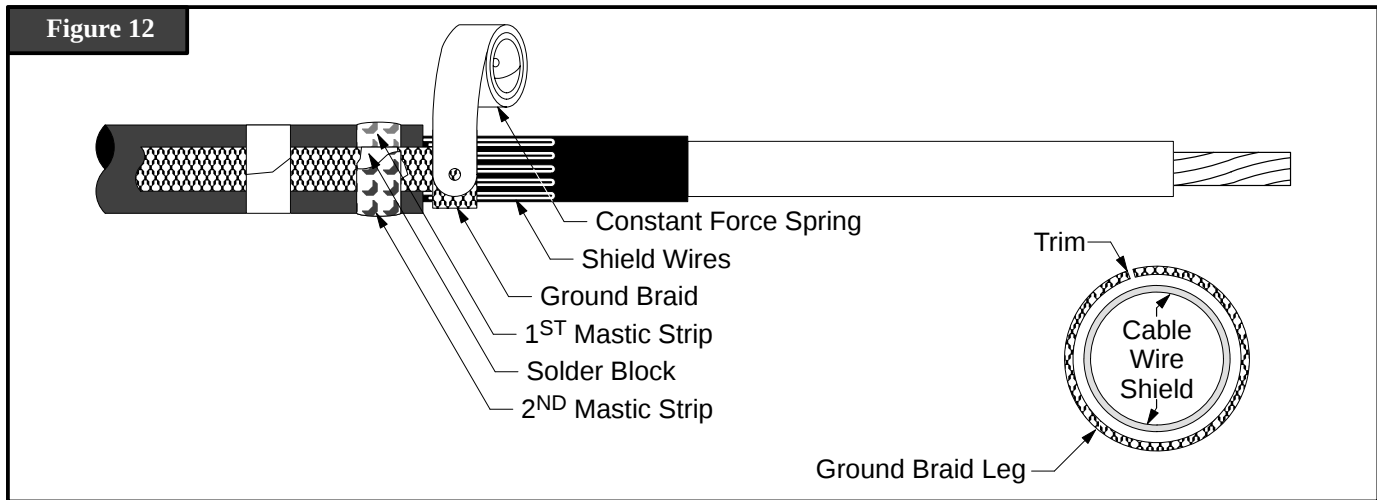
2. Position pre-formed ground braid with short tail over wire shield directly adjacent to cable jacket cut edge. Position long tail of ground braid, extending over cable jacket with solder block over mastic strip (*Figure 11*). Secure ground braid to cable jacket 3 1/2" (89 mm) from cable semi-con edge using vinyl tape (*Figure 11*).

NOTE: Position vinyl tape with care, it also serves as a marker for positioning the termination.



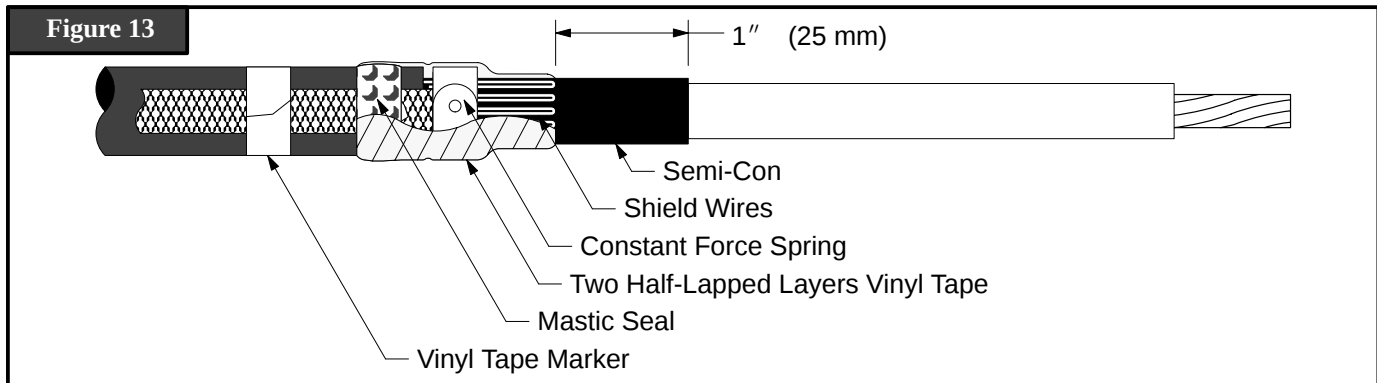
B. Install Ground Braid (continued)

3. Wrap ground braid around cable shield wires one complete wrap, trim excess to prevent overlap and secure in place with constant force spring. Wrap spring in same direction as ground braid (*Figure 12*). Cinch (tighten) the spring after wrapping the final winding.
4. Select second mastic strip from kit and remove white release liners. Apply a second mastic band over solder block on ground braid and previously applied mastic (*Figure 12*). Cut off excess.



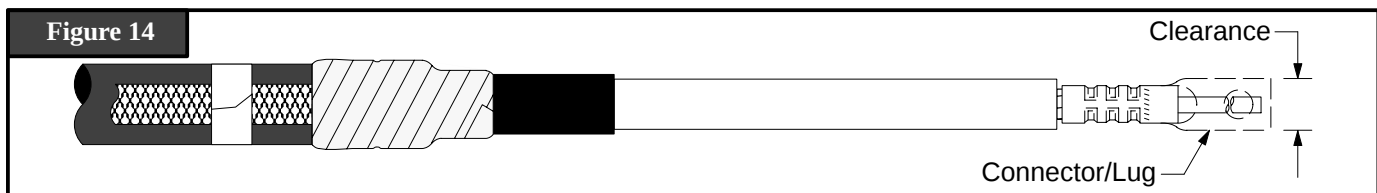
5. Wrap two half-lapped layers of vinyl tape around mastic seal, constant force spring and exposed shield wires (*Figure 13*).

NOTE: Take care not to cover exposed semi-con insulation shield. A minimum of 3/4" (19 mm) must be exposed.



C. Install Lug or Connector

1. Check to insure QT-III termination assembly fits over the selected lug. If lug (*Figure 14*) will not fit through the termination core, clean the insulation (*per Step D*) and slide termination on cable before installing lug. **Do not remove core at this time.**



NOTE: Refer to pages 15 – 17 for 3M connector/lug crimping information.

2. Position connector/lug and crimp according to manufacturers directions. Remove excess oxide inhibitor and sharp crimp flashings following crimping.

D. Clean Cable Insulation and Lug Barrel Using Standard Practice

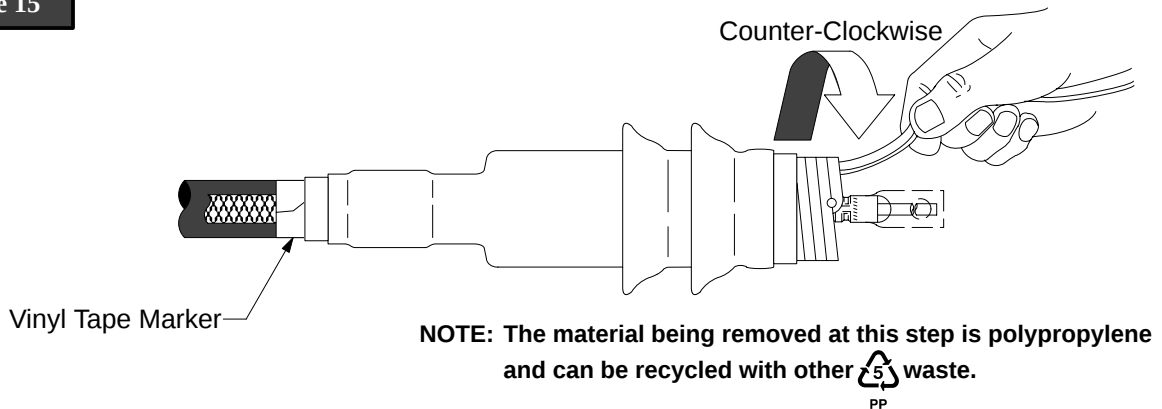
1. Wipe the cable insulation with one of the solvent saturated pads from the CC-2 Cable Preparation Kit. **Do not allow solvent to touch semi-con insulation shield!**
2. If abrasive must be used:
 - a. Use on insulation only. **Do not use abrasive on semi-con insulation shield!**
 - b. Use only aluminum oxide abrasive; grit 120 or finer, included in CC-2 Cable Preparation Kit.
 - c. Be careful not to reduce the cable insulation diameter below that allowed by the kit.

E. Install Termination

1. Slide the termination body onto the cable and remove core. Pull while unwinding, counter-clockwise, starting with the loose end (*Figure 15*). Make sure the termination body (not the core) is butted up to the edge of the vinyl tape marker previously applied (*Figure 15*).

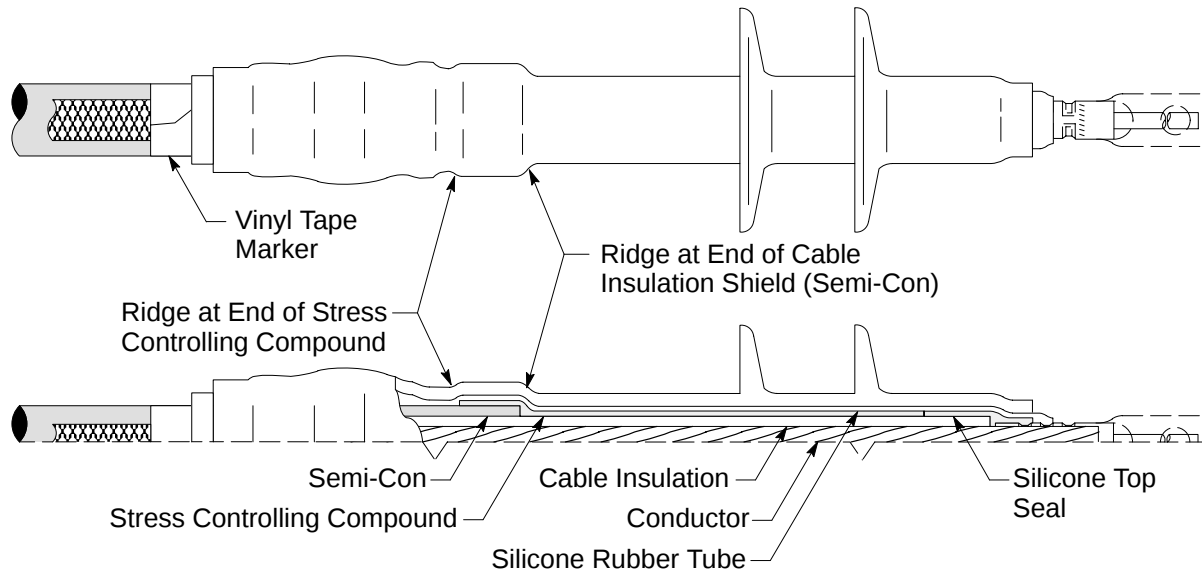
NOTE: Once the termination insulator has made contact over the mastic seal area, there is no need to continue supporting the assembly. Do not push or pull on the termination assembly while unwinding the core.

Figure 15



2. When using a short barrel lug or connector on smaller size cable it may be necessary to trim any excess termination insulator from the lug or connector.
3. Connect ground braid to system ground according to standard practice.

Correct Installation of Termination on UniShield® Shielded Cable

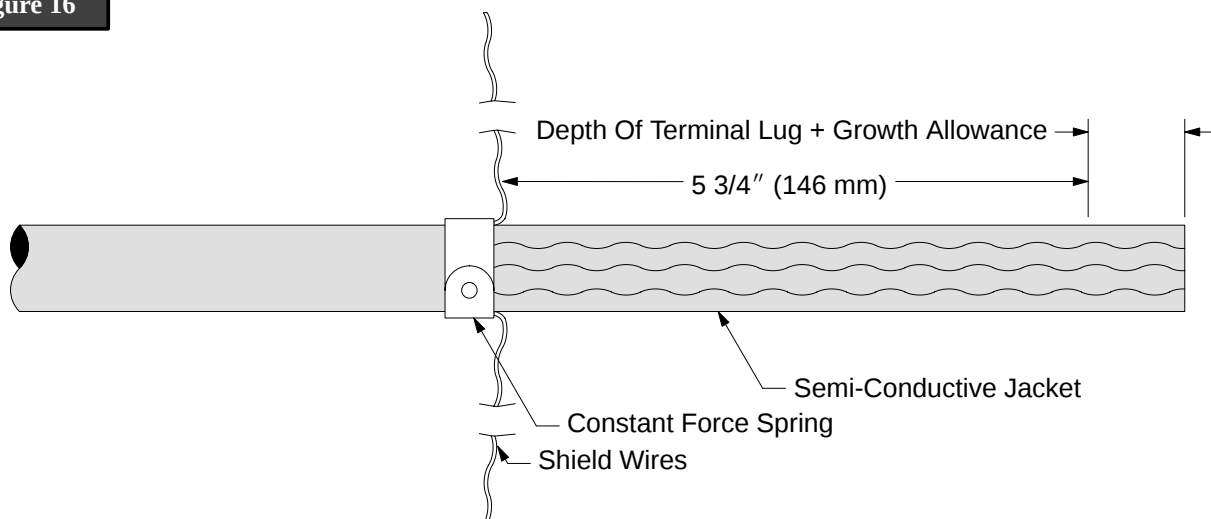


Instructions for UniShield® Shielded Cable

A. Prepare Cable

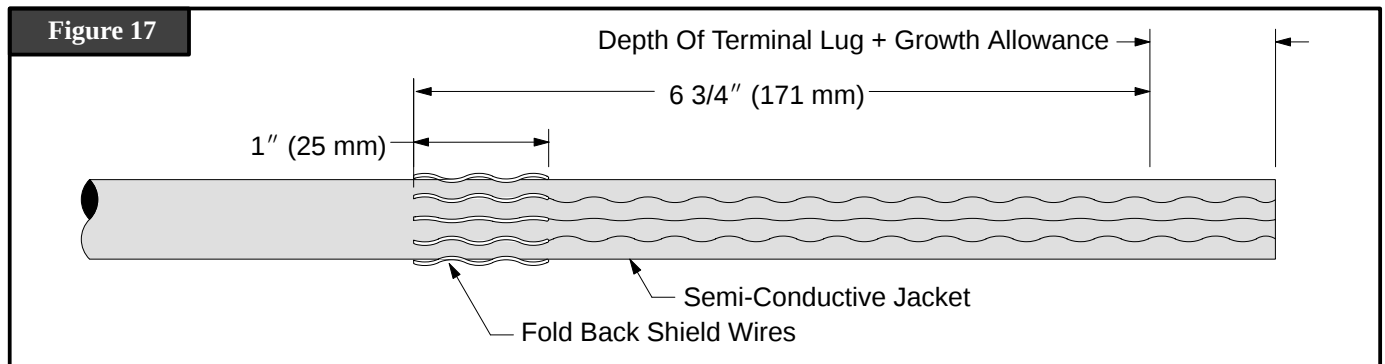
1. Check to be sure cable size fits within kit range as shown in *Table 1 (cover page)*.
2. Prepare cable using dimensions shown in *(Figure 16)*. **Be sure to allow for depth of terminal lug.**
NOTE: Provide additional 1/4" (6 mm) exposed conductor distance to account for growth during crimping of ALUMINUM lugs or connectors.
3. Pull shield wires through semi-conductive jacket to leading edge of constant force spring *(Figure 16)*.

Figure 16



A. Prepare Cable (continued)

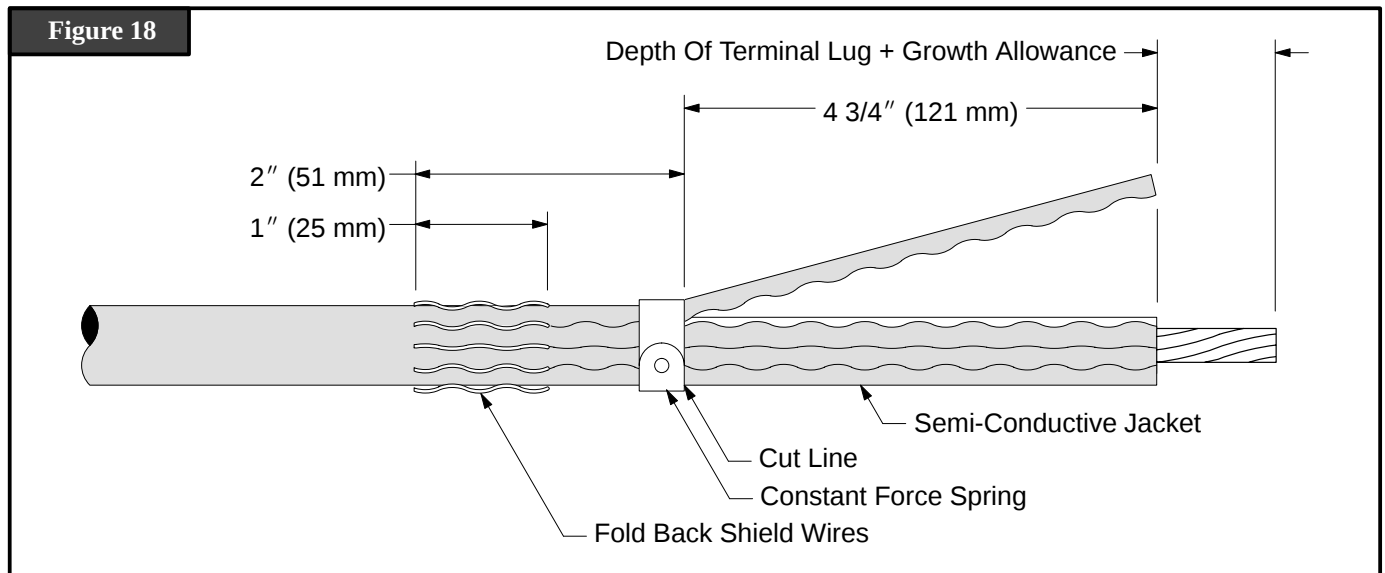
4. Remove constant force spring. Bend shield wires back upon cable jacket 1" (25 mm). Cut excess shield wire and discard (Figure 17).



5. Remove semi-conductive jacket to dimension shown in Figure 18.

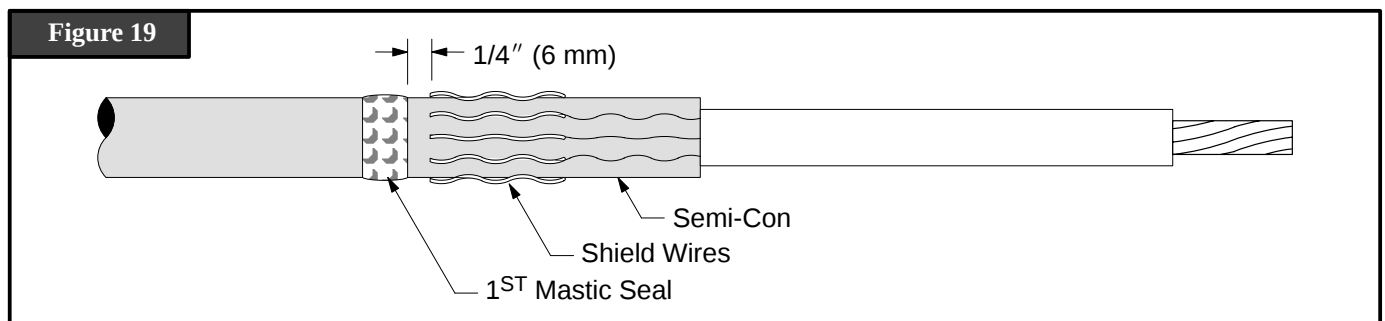
NOTE: To ease jacket removal, install constant force spring as shown in Figure 18 and ring cut 80% through jacket. Remove jacket sections by pulling against constant force spring. **DO NOT BELL SEMI-CON JACKET.** Remove constant force spring.

Some UniShield® cables feature dual-layer semi-conductive jackets. Both layers must be removed during cable preparation.



B. Install Ground Braid

1. Select one of six mastic strips from kit and remove white release liners. Using light tension apply a single wrap of mastic around the cable semi-conductive jacket 1/4" (6 mm) from shield wires (Figure 19). Cut off excess.

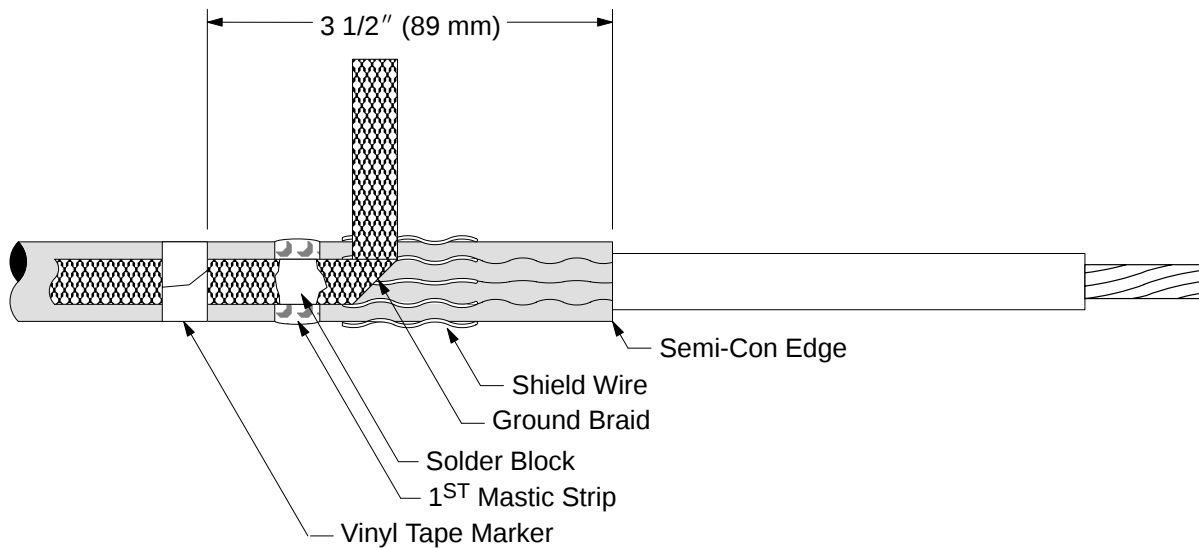


B. Install Ground Braid (continued)

1. Position pre-formed ground braid with short tail directly over cut edge of folded back shield wires. Position long tail of ground braid, extending over cable semi-conductive jacket with solder block over mastic strip (*Figure 20*). Secure ground braid to cable semi-conductive jacket $3\frac{1}{2}$ " (89 mm) from cable semi-con edge using vinyl tape (*Figure 20*).

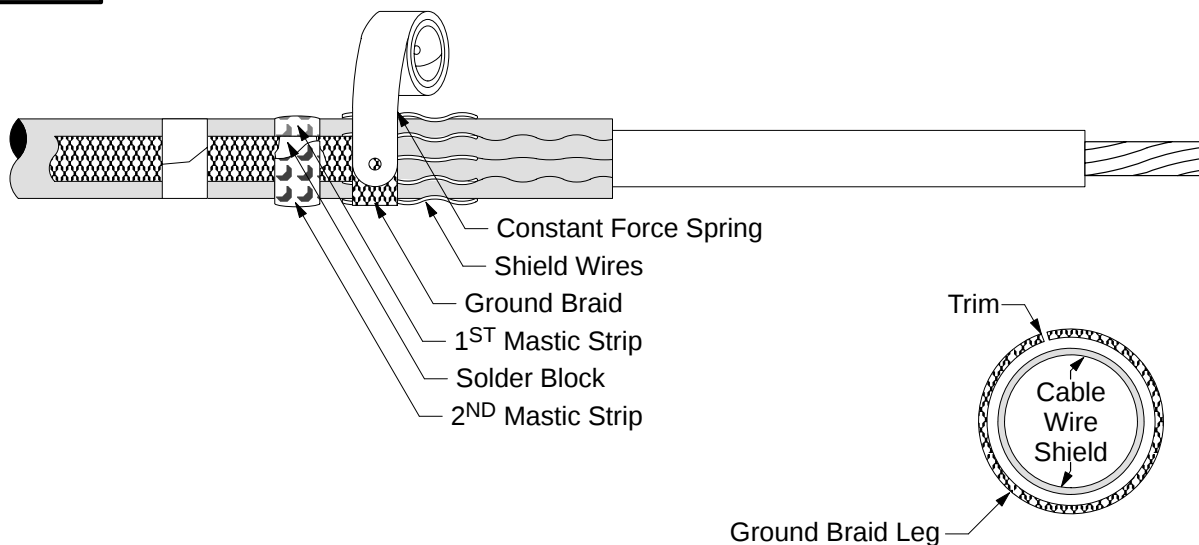
NOTE: Position vinyl tape with care, it also serves as a marker for positioning the termination.

Figure 20



2. Wrap ground braid around cable shield wires one complete wrap, trim excess to prevent overlap and secure in place with constant force spring. Wrap spring in same direction as ground braid (*Figure 21*). Cinch (tighten) the spring after wrapping the final winding.
3. Select second mastic strip from kit and remove white release liners. Apply a second mastic band over solder block on ground braid and previously applied mastic (*Figure 21*). Cut off excess.

Figure 21

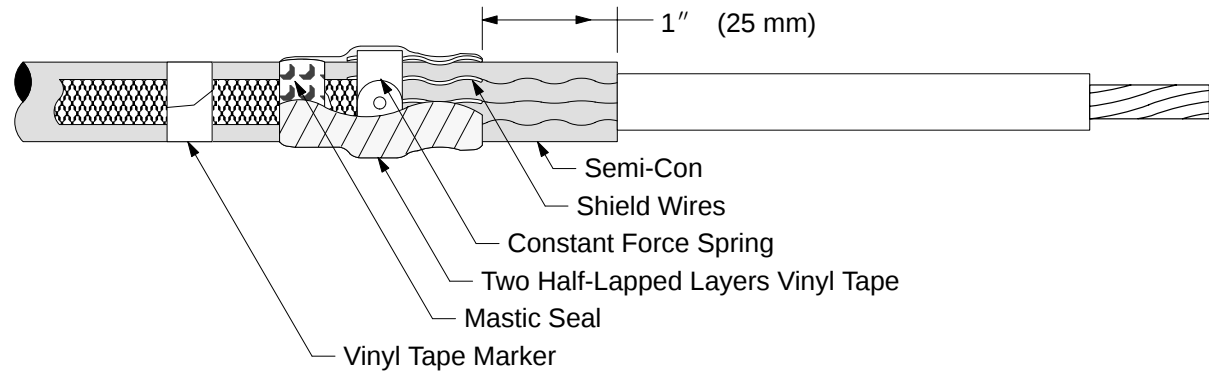


B. Install Ground Braid (continued)

4. Wrap two half-lapped layers of vinyl tape around mastic seal, constant force spring and exposed shield wires (Figure 22).

NOTE: Take care not to cover exposed semi-con insulation shield. A minimum of 3/4" (19 mm) must be exposed.

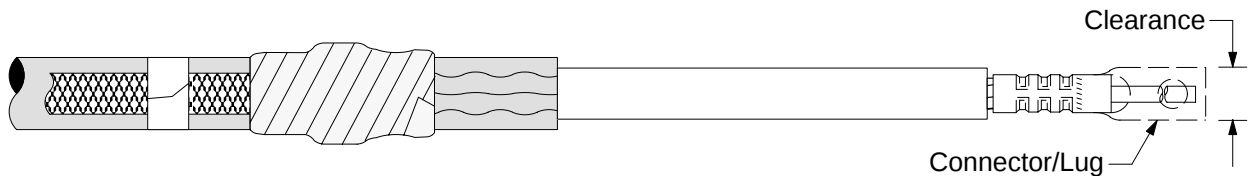
Figure 22



C. Install Lug or Connector

1. Check to insure QT-III termination assembly fits over the selected lug. If lug (Figure 23) will not fit through the termination core, clean the insulation (*per Step D*) and slide termination on cable before installing lug. **Do not remove core at this time.**

Figure 23



NOTE: Refer to pages 15 – 17 for 3M connector/lug crimping information.

2. Position connector/lug and crimp according to manufacturers directions. Remove excess oxide inhibitor and sharp crimp flashings following crimping.

D. Clean Cable Insulation and Lug Barrel Using Standard Practice

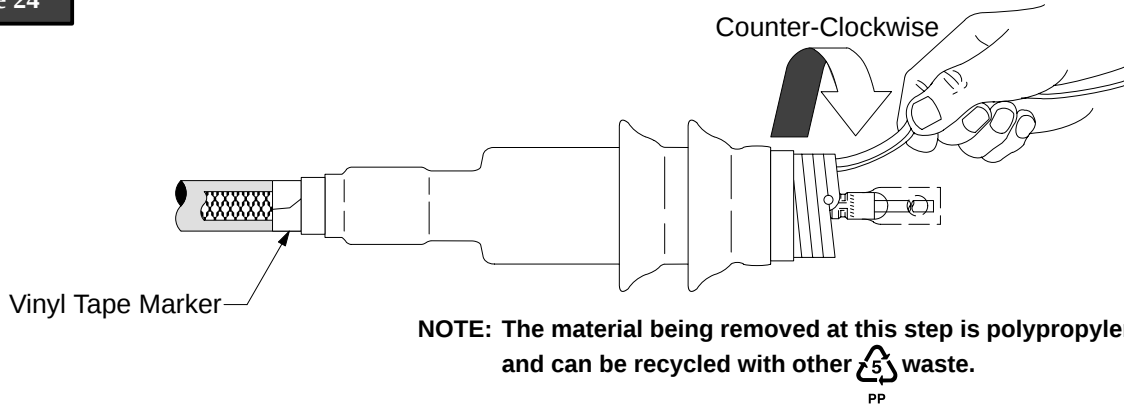
1. Wipe the cable insulation with one of the solvent saturated pads from the CC-2 Cable Preparation Kit. **Do not allow solvent to touch semi-con insulation shield!**
2. If abrasive must be used:
 - a. Use on insulation only. **Do not use abrasive on semi-con insulation shield!**
 - b. Use only aluminum oxide abrasive; grit 120 or finer, included in CC-2 Cable Preparation Kit.
 - c. Be careful not to reduce the cable insulation diameter below that allowed by the kit.

E. Install Termination

1. Slide the termination body onto the cable and remove core. Pull while unwinding, counter-clockwise, starting with the loose end (*Figure 24*). Make sure the termination body (not the core) is butted up to the edge of the vinyl tape marker previously applied (*Figure 24*).

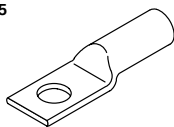
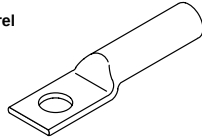
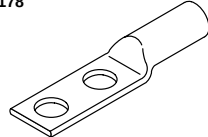
NOTE: Once the termination insulator has made contact over the mastic seal area, there is no need to continue supporting the assembly. Do not push or pull on the termination assembly while unwinding the core.

Figure 24



2. When using a short barrel lug or connector on smaller size cable it may be necessary to trim any excess termination insulator from the lug or connector.
3. Connect ground braid to system ground according to standard practice.

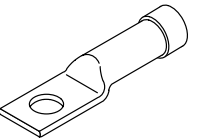
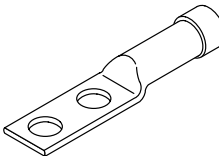
Tooling Index

Lug and Crimping Information for Scotchlok™ Copper Lugs										
30014 thru 30045 One hole 			31036 thru 31068 One hole — long barrel 				31145 thru 31178 Two hole 			
Cable Size AWG/ kcmil	Stud Size (in.)	Scotchlok™ Copper Lug Number	CRIMPING TOOL-DIE SETS (NUMBER OF CRIMPS)							
			Burdny Corporation				Thomas & Betts Corporation			Square D Co. An- derson Div.
			MD6	MY29	Y34A	Y35, Y39, Y45*, Y46*	TBM 5	TBM 8	TBM 15	VC6-3, VC6-FT**
6	10 1/4 5/16	30014 30015 30016	—	6AWG(1)	—	U5CRT(1)	Blue(1)	Blue(1)	—	Universal(1)
4	10 1/4 3/8	30018 30019 30021	W161(1)	4AWG(1)	A4CR(1)	U4CRT(1)	Grey(1)	Grey(1)	—	Universal(1)
2	1/4 5/16 3/8	30022 30023 30024	W162(2)	2AWG(1)	A2CR(1)	U2CRT(2)	Brown(1)	Brown(1)	33(1)	Universal(2)
1	5/16 3/8	30027 30028	—	1AWG(1)	A1CR(1)	U1CRT(2)	Green(1)	Green(1)	37(1)	Universal(2)
1/0	5/16 3/8	30031 30032	W163(2)	1/0(1)	A25R(1)	U25RT(1)	Pink(2)	Pink(2)	42H(2)	Universal(1)
2/0	3/8 3/8	30036 31036	W241(2) W241(3)	2/0(1) 2/0(2)	A26R(1) A26R(2)	U26RT(2) U26RT(3)	Black(2) Black(3)	Black(2) Black(3)	45(1) 45(2)	Universal(1) Universal(2)
3/0	1/2 1/2	30041 31041	W243(2) W243(3)	3/0(1) 3/0(2)	A27R(1) A27R(2)	U27RT(2) U27RT(3)	Orange(2) Orange(3)	Orange(2) Orange(3)	50(1) 50(2)	Universal(2) Universal(3)
4/0	1/2 1/2 1/2	30045 31045 31145	BG(3) BG(4) BG(4)	4/0(1) 4/0(2) 4/0(2)	A28R(2)	U28RT(2) U28RT(3) U28RT(3)	Purple(2) Purple(3) Purple(3)	Purple(2) Purple(3) Purple(3)	54H(2) 54H(3) 54H(3)	Universal(2) Universal(3) Universal(3)
250	1/2 1/2	31049 31149	W166(4)	250(2)	A29R(2)	U29RT(3)	Yellow(2)	Yellow(2)	62(2)	Universal(2)
300	1/2 1/2	31053 31153	—	—	A30R(2)	U30RT(3)	—	White(3)	66(3)	Universal(3)
350	1/2 1/2	31056 31156	—	—	A31R(2)	U31RT(3)	—	Red(4)	71H(4)	—
400	1/2 1/2	31060 31160	—	—	A32R(2)	U32RT(3)	—	Blue(4)	76H(4)	—
500	1/2 5/8 1/2	31066 31067 31166	—	—	A34R(2)	U34RT(3)	—	Brown(4)	87H(4)	—
600	1/2 1/2	31068 31168	—	—	—	U36RT(3)	—	Green(4)	94H(4)	—
750	1/2	31172	—	—	—	Y39, Y45, Y46 U39RT(5)	—	—	106H(4)	—
1000	1/2	31178	—	—	—	Y45: S44RT(6) Y46: P44RT(6)	—	—	125H(4)	—

* Y45 and Y46 accept all Y35 dies ("U" series). For Y45 use PT6515 adapter. For Y46 use PUADP adapter.

** Anderson VC6-3, VC6-FT, VC8C and Burndy Y1000 require no die set.

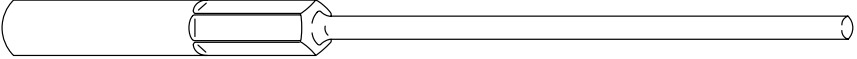
Tooling Index

Lug and Crimping Information for Scotchlok™ Copper/Aluminum Lugs																
40016 thru 40079 One hole								40132 thru 40178 Two hole								
																
Cable Size AWG/ kcmil	Stud Size (in.)	Scotch- lok™ Lug Number	CRIMPING TOOL-DIE SETS (NUMBER OF CRIMPS)													
			Burndy Corporation						Thomas & Betts Corporation				Square D Co. Ander- son Div.		ITT Black- burn Co.	Kearny Nat'l Div.
			MD6	MY29	Y34A	Y35, Y39, Y45*, Y46*	Y1000*	TBM 5	TBM 8	TBM 12	TBM 15	VC6-3** VC6-FT**	VC8C**	OD58	TYPE O	
6	5/16	40016	W161(1)	6AWG(1)	A6CAB(1)	U6CABT(1)	(1)	Grey(1)	Grey(1)	—	29(1)	(1)	—	BY19(3)	J(3)	
4	5/16	40020	W162(3)	4AWG(1)	A4CAB(1)	U4CABT(1)	(1)	Green(2)	Green(2)	—	37(1)	(1)	—	BY53(3)	P(3)	
2	3/8 1/2	40024 40025	W163(3) W163(3)	2AWG(1) 2AWG(1)	A2CAB(1) A2CAB(1)	U2CABT(1) U2CABT(1)	(1) (1)	Pink(2) Pink(2)	Pink(2) Pink(2)	—	42H(2) 42H(2)	(1) (1)	—	BY23(3) BY23(3)	1/2(3) 1/2(3)	
1	3/8 1/2	40028 40029	W163(3) W163(3)	1AWG(1) 1AWG(1)	A1CAR(1) A1CAR(1)	U1CART(1) U1CART(1)	(1) (1)	Gold(2) Gold(2)	Gold(2) Gold(2)	—	45(1) 45(1)	(1) (1)	—	BY23(3) BY23(3)	1/2(3) 1/2(3)	
1/0	3/8 1/2 3/8	40032 40033 40132	W241(3) W241(3) W241(3)	1/0(1) 1/0(1) 1/0(1)	A25AR(1) A25AR(1) A25AR(1)	U25ART(1) U25ART(1) U25ART(1)	(1) (1) (1)	Tan(2) Tan(2) Tan(2)	Tan(2) Tan(2) Tan(2)	—	50(1) 50(1) 50(1)	(1) (1) (1)	—	BY25(3) BY25(3) BY25(3)	5/8-1(3) 5/8-1(3) 5/8-1(3)	
2/0	1/2 1/2	40037 40137	BG(4) BG(4)	2/0(1) 2/0(1)	A26AR(2) A26AR(2)	U26ART(2) U26ART(2)	(1) (1)	Olive(2) Olive(2)	Olive(2) Olive(2)	—	54H(2) 54H(2)	(2) (2)	—	BY31C(3) BY31C(3)	5/8-1(3) 5/8-1(3)	
3/0	1/2 1/2	40041 40141	W166(4) W166(4)	3/0(1) 3/0(1)	A27AR(2) A27AR(2)	U27ART(2) U27ART(2)	(1) (1)	Ruby(2) Ruby(2)	Ruby(2) Ruby(2)	—	60(2) 60(2)	(2) (2)	—	—	737(3) 737(3)	
4/0	1/2 5/8 1/2	40045 40046 40145	W660(4) W660(4) W660(4)	4/0 (2) 4/0 (2) 4/0 (2)	A28AR(2) A28AR(2) A28AR(2)	U28ART(2) U28ART(2) U28ART(2)	(1) (1) (1)	—	White(4) White(4) White(4)	—	66(4) 66(4) 66(4)	(2) (2) (2)	—	BY35C(4) BY35C(4) BY35C(4)	840(4) 840(4) 840(4)	
250	1/2 5/8 1/2	40049 40050 40149	W249(3) W249(3) W249(3)	—	A29AR(2) A29AR(2) A29AR(2)	U29ART(2) U29ART(2) U29ART(2)	(1) (1) (1)	—	—	71H(4) 71H(4) 71H(4)	71H(2) 71H(2) 71H(2)	(3) (3) (3)	—	—	—	
300	1/2 1/2	40053 40153	—	—	A30AR(2) A30AR(2)	U30ART(2) U30ART(2)	(1) (1)	—	—	76H(4) 76H(4)	76H(2) 76H(2)	(3) (3)	—	—	—	
350	1/2 5/8 1/2	40056 40057 40156	—	—	—	U31ART(2) U31ART(2) U31ART(2)	(1) (1) (1)	—	—	87H(4) 87H(4) 87H(4)	87H(3) 87H(3) 87H(3)	(3) (3) (3)	—	—	—	
400	1/2	40160	—	—	—	U32ART(4)	(1)	—	—	94H(4)	94H(4)	—	(2)	—	—	
500	5/8 1/2	40067 40166	—	—	—	U34ART(4) U34ART(4)	(1) (1)	—	—	106H(4) 106H(4)	106H(3) 106H(3)	—	(2) (2)	—	—	
600	1/2	40170	—	—	—	U36ART(4)	(1)	—	—	—	115H(3)	—	(3)	—	—	
750	5/8 1/2	40073 40172	—	—	—	U39ART(4) U39ART(4)	(1) (1)	—	—	—	125H(5) 125H(5)	—	(3) (3)	—	—	
1000	5/8 1/2	40079 40178	—	—	—	S44ART(4) S44ART(4)	(1) (1)	—	—	—	140H(4) 140H(4)	—	(3) (3)	—	—	

* Y45 and Y46 accept all Y35 dies ("U" series). For Y45 use PT6515 adapter. For Y46 use PUADP adapter.

** Anderson VC6-3, VC6-FT, VC8C and Burndy Y1000 require no die set.

Tooling Index

Crimping Information for 3M Stem Connectors Copper/Aluminum 						
CRIMPING TABLE FOR 3M STEM TYPE CONNECTOR						
Conductor Size	3M Connector Number	Recommended Crimping Tools				
		Manufacturer	Mech. Tool	Die (No. Crimps)	Hydraulic	Die (No. Crimps)
2 Solid 1, 2 1/0	SC0020 SC0001 SC0010	Burndy	MD6	BG(4), W243(4)	Y35, Y39, Y45**	U25ART(2), U243(2)
		Kearny	0-51, 0-52	5/8-1 (4)	12, 20, 40, Ton	5/8-1(4)
		T & B	TBM 8	Olive(2)	TBM 15	50(2)*
		Anderson	—	—	VC6	Universal(2)
2/0 3/0 4/0	SC0020 SC0030 SC0040	Burndy	MD6	W669(0) 840(5)*	Y35, Y39, Y45**	U28ART(2)
		Kearny	0-51, 0-52	840(5)*	WH-1, WH-2	840(2)
		T & B	TBM 8	White(4)	TBM 15	66(3)
		Anderson	-	—	VC6	Universal(2)

* Y45 and Y46 accept all Y35 dies ("U" series). For Y45 use PT6515 adapter. For Y46 use PUADP adapter.

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