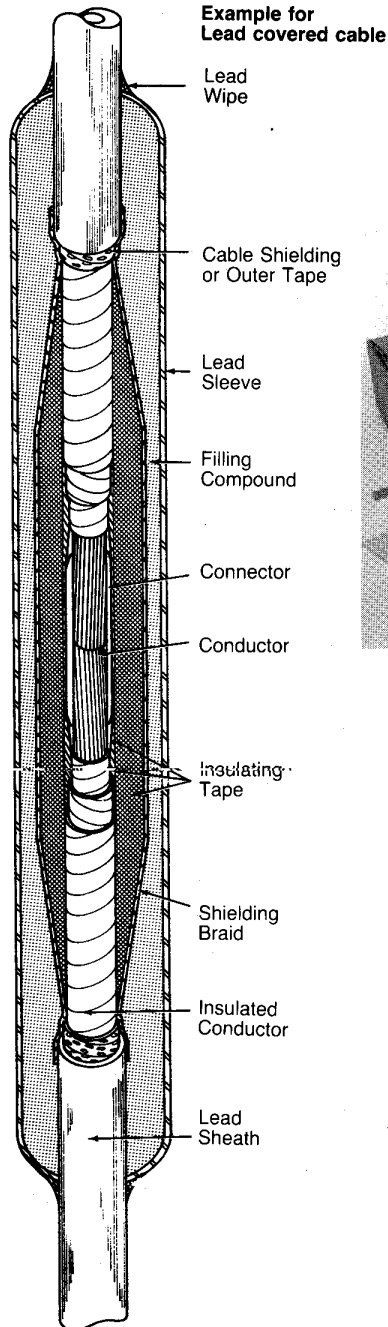


Catalog Supplement

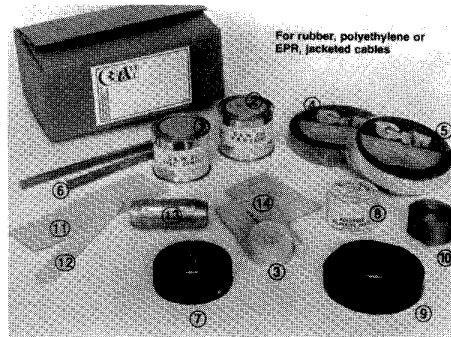
G&W Electric Co.

Date: November, 1997
No.: GW20-CS20A
Supersedes Supplements
GW20-CS20 and GW20-CS21
File behind CA2 Tab

G&W Tape Splice Kits and Splice Boxes



Splice kits are available for many 1/C and 3/C extruded dielectric and paper insulated lead cables up to 34.5kV with conductor sizes from #2 AWG to 2000 kcmil (35mm² - 1000mm²). The kits are conveniently packaged and shipped complete with the correct grade material required for making the splice. Protective splice boxes and insulating sleeves are available.



Splice kit for rubber, polyethylene or EPR, jacketed cables: (photo above)

1. Special cement - for use with Nozone and neoprene tape.
2. P&B paint - for sealing entire splice.
3. Cotton tape - for cleaning, tying and temporary lashing.
4. Neoprene tape - for forming a jacket over splice.
5. Nozone tape - for insulating the splice.
6. Solder (50/50) - for connectors.
7. Friction tape - for protecting insulation.
8. Flux paste - for soldering flux.
9. Cover tape - for overall submersible protection.
10. Tinned shielding braid - for shielding the joint.
11. Sandpaper - for preparing cemented surfaces.
12. Wood spatula - for applying cement.
13. Split copper connectors - for joining conductors.

14. Ground braid - for grounding the shielding.

Splice kit for paper or varnished cambric insulated, lead covered cables: (kit materials not pictured)

- Lead sleeve - for housing and sealing splice.
- #222 Novoid X or #223 Ozite B compound - for filling lead sleeve.
- Dry cotton tape - for cleaning connectors, protecting and securing cable insulation and for temporary lashing.
- Saturated flax twine - for temporarily securing factory applied insulation and shielding.
- Solder (40/60) - for soldering connector and making wipes.
- Stearine candle - for soldering flux.
- Varnished cambric tapes - for insulating joint.
- Paper pasters - for limiting the wipes.
- Solder (50/50) - for filling lead sleeve holes and miscellaneous purposes.
- Tinned shielding braid - for shielding the joint.
- Split tinned copper connectors - for joining conductors.
- Saturated webbing - for binding together the completely insulated and shielded conductors.

ORDERING INFORMATION

To order the correct splice kit the following information must be specified:

- a) Number of kits required.
- b) Splice configuration.
- c) Complete cable description including number of conductors, conductor size and material, type of insulation, type of shielding, voltage rating and grounding if applicable.
- d) Type of connector (solder as standard or compression type; copper or aluminum).

Splice boxes provide mechanical protection for cables joined with tape type splicing kits. They also provide a means of sealing the jointed area on steel tape or interlocked armor cable. Boxes are compound filled to exclude moisture and provide an excellent thermal transfer medium around the cable splice area.

Type "OF" boxes are designed primarily for protection of submarine cable splices. They consist of a galvanized steel pipe threaded on both ends for assembly of cast steel end caps with wire armor clamps. The right and left handed threads of the pipe and end caps permit a turnbuckle action while drawing up the armor wires of the cable thus relieving the splice from all mechanical stresses.

Type "E" boxes are split cast iron boxes which can be fitted with standard gasketed termination entrance fittings such as wiping sleeve or stuffing box for effective sealing around any type of cable system. The versatile boxes can be applied over aerial cable splices, armored cable splices, splices between armored and nonarmored cable or complete metal clad splices in conduit runs. For direct buried and continuously submerged applications, bronze entrance fittings should be used. See application chart for entrance fittings available.

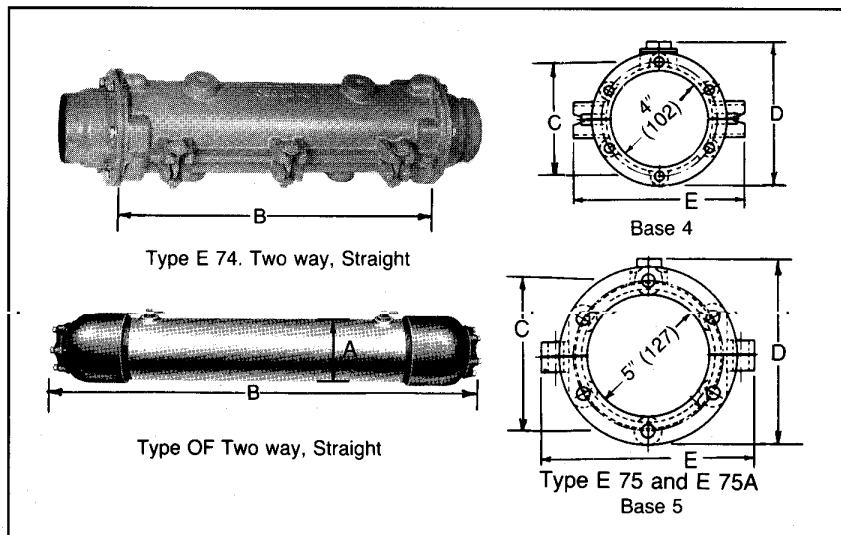
ORDERING INFORMATION

a) Specify the correct catalog number based on cable size. The box size should be large enough to accom-

modate the insulated splice or lead sleeve while leaving room for compound all around. The box length should provide adequate space to permit the cables to be properly trained through the box ends.

b) For type "E" boxes, specify the cable entrance fitting required. See application chart on this page for styles available.

c) Specify compound required. See Capnut Termination Catalog for compounds available.



Catalog No.	Approximate Dimensions - ins. (mm)					Approx. Wt. lbs. (kg)	Approx. Comp'd Req'd Gal. (L)
	A	B	C	D	E		

TYPE "OF"

OF6	6 (152)	50 (1270)	—	—	—	180 (82)	5 (19)
OF8	8 (203)	62 (1575)	—	—	—	280 (127)	10 (38)

TYPE "E"

	Max. Cable O.D.		A	B	C	D	E	Approx. Wt. lbs. (kg)	Approx. Comp'd Req'd Gal. (L)
	3-1/c	3/c							
E74A	1 1/4 (32)	2 7/8 (73)	20 (508)	4 (102)	7 (178)	7 (178)	64 (29)	1 3/4 (6.6)	
E75	1 3/4 (44)	3 1/2 (89)	26 (660)	5 (127)	7 (178)	9 (229)	92 (42)	2 1/2 (9.5)	
E75A	1 3/4 (44)	3 1/2 (89)	31 (787)	7 (178)	9 (229)	10 (254)	140 (64)	4 (15)	

ENTRANCE FITTING APPLICATION CHART

CABLE TYPE	WS	WSV-CC	WSV-AC	WSV-WAF	RS	RSF-CC	RSF-AC	RSF-WAF	RSA	DP	DP-CC	DP-EE-AC	DP-EE-WAF
PILC VCLC RILC	1 or 3 Conductor	3 Conductor			1 or 3 Conductor	3 Conductor				3 Single Conductors	3 Single Conductors		
EPR XLP					1 or 3 Conductor	3 Conductor				3 Single Conductors	3 Single Conductors		
High mole Poly- ethylene and Kevlar					1 or 3 Conductor May require TUBE SEAL	3 Conductor May require TUBE SEAL				3 Single Conductors May require TUBE SEAL	3 Single Conductors May require TUBE SEAL		
Flat Steel Armored			3 Conductor					3 Conductor				1 or 3 Conductor	
Interlocked* Armor									3 Conductor				
Wire Armor				3 Conductor				3 Conductor					1 or 3 Conductor

*Application on cables with a solid jacket under the armor. For cables with a jacket over the armor, a cable entrance fitting combination (DP3-EE-EE-GL-ACC-DP-1) can be used.