

Hi-Amp Splice Grounding Accessory Kit SG-2 • Primary Short Circuit Capacity Rated 15 kA – 15 ~

1. Product Description

The SG-2 Hi-Amp Splice Grounding Accessory Kit was designed to accommodate the shielding and grounding of in-line splices made on longitudinally corrugated (L.C.), heavy duty tape and conventional tape shielded power cables.

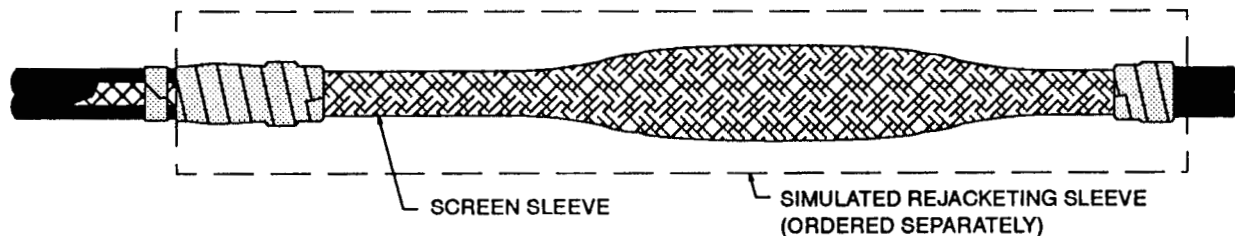
The SG-2 design provides a fault current capacity of 15,000 amps for 15 cycles on 15, 25, and 35 kV class cables.

Each kit contains sufficient quantities of the following materials to provide shielding and grounding for one splice:

Kit Contents

- Copper Screen Sleeve
- Mastic Seal Strips
- Constant-Force Springs
- Prefromed Ground Braid
- Instruction Sheet

GENERAL APPEARANCE OF INSTALLED COMPONENTS



2. Product Applications

SG-2 Screen Sleeves are applied over molded-rubber splices on cables with shield diameters ranging from 1.25" (32 mm) to 2.25" (57 mm). In most cases this will include conductor sizes between 350 kcm and 1000 kcm and voltage classes of 15 kV through 35 kV as indicated in the Table below.

The SG-2 Kit was designed to accommodate all 3M "Quick Splice" bodies as well as most other rubber-molded inline splices currently used in the electrical power distribution industry.

The SG-2 copper screen sleeve and the pre-formed ground connection braid have an ampacity greater than that of #4 awg copper wire and are fault current rated at 15,000 amps for 15 cycles.

Following SG-2 component installation, 3M Cold-Shrink (SJ-(X)A Series), Heatshrink (HSJ-Series) or Scotch Rubber-Mastic and vinyl tape systems are the recommended choices for sealing and re-jacketing the installed, shielded splice.

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

Product	Insulation Class	Conductor Range (kcm)
SG-2	15 kV (.175)	350 – 1000
	15 kV (.220)	
	25 kV (.260)	
	25 kV (.280)	
	35 kV (.345)	
Shield Diameter Accommodation Range: 1.25" (32,0 mm) min. to 2.25" (570,0 mm) max.		