

# EZ Seal cold shrink re-jacket and metallic shield adapter kits for medium-voltage cables



## General

Eaton's EZ Seal sealing kits allow for a reliable means to seal cable jackets at the end of medium-voltage power cables. They can be installed on either bare cable or along with cable accessories and connectors. The EPDM rubber sleeve is installed with mastic strips to create a tight seal around the cable's outer diameter. The mastic strips are used to help seal areas of inconsistent diameter, such as the location of neutral wires or other grounding methods.

The EZ Seal sleeve is an easy-to-install product utilizing cold shrink technology. The rubber sleeve comes expanded on a removable spiral core, ready for installation. After placing the mastic strips, the expanded sleeve should be positioned over the cable jacket and/or cable connector. Pulling the loose end of the plastic ripcord will unravel the spiral and allow the EZ Seal sleeve to shrink down.

## Production tests

- Meets the water seal requirements of ANSI C119.1
- Tensile strength: 2700 psi, ASTM D412
- Ultimate elongation: 550%, ASTM D412
- 300% modulus: 1000 psi, ASTM D412
- Tear strength: 150 lb/in, ASTM D624 Method C
- Water absorption: less than 3% ASTM D570-7 days 90C water exposure; less than 0.009-inch swelling
- UV resistance test: ASTM G154

## Features

- Wide application range
  - Each catalog SKU number covers a wide range of cable sizes
  - Creates stocking flexibility with single part numbers covering multiple cable sizes
- Compatible with various cable insulation shield types
  - CS kits—jacketed concentric neutral (JCN)
  - SA kits—tape, longitudinally corrugated, wire, and UniShield™
- No heat required for installation
- Puncture and tear resistant
- Maintains seal and has prolonged life in various environmental and aging conditions
- Meets the water seal requirements of ANSI C119.1
- UV resistant
- Made of EPDM rubber
  - Contains no chlorides or sulfurs
- 5-year storage life from 32 °F to 104 °F (0° to 40 °C)
  - Proper water seal is ensured if product is stored within these parameters
- Recyclable core
  - Polypropylene



- SA kits include an integrated ground braid and bleeder wire assembly for easy grounding capabilities

## Optional features

The EZ Seal sleeve is available in two offerings. The cold shrink sealing (CS) series can be used to seal the outer jacket of jacketed cables when terminated on cable accessories. The metallic tape shielded adapter (SA) kit can be used to ground and seal tape, longitudinally corrugated, wire, and UniShield cables.

## Contents

Each kit contains the following materials to seal one cable jacket end.

CS kits:

- 1x cold shrink sealing sleeve
- 6.50-inch (165 mm) mastic sealing strips
  - 3x strips in CS1, SA1, SA2
  - 4x strips in CS2, SA3
  - 6x strips in CS3, SA4
- 1x manual (MN650074EN)

SA kits:

- All contents in CS kit above
- 1x constant force spring
- 1x preformed ground braid and bleeder wire
- 1x strip semi-conductive tape
- 1x manual (MN650075EN)



Figure 1. EZ Seal cold shrink kit



Figure 2. EZ Seal shield adapter kit

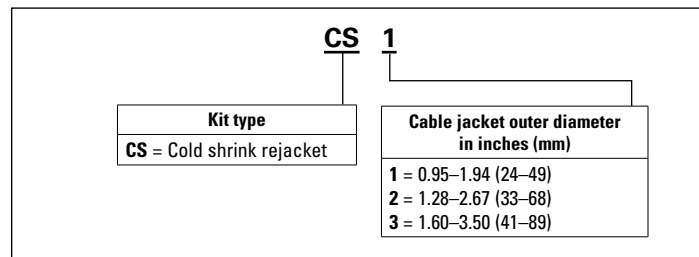
## Ordering information

To specify an EZ Seal kit, first determine if a cold shrink sealing (CS) kit or a metallic shield adapter (SA) kit is required. The part suffix is determined by the outer diameter of the cable jacket. Reference **Table 2** and **Table 3** to complete catalog part number.

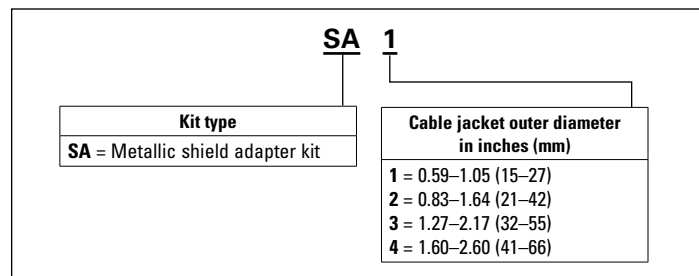
**Table 1. Catalog numbers and diameter dimensions**

Catalog number	Minimum seal diameter inches (mm)	Maximum installed diameter inches (mm)
<b>CS kits</b>		
CS1	0.95 (24.0)	1.94 (49.0)
CS2	1.28 (33.0)	2.67 (68.0)
CS3	1.60 (41.0)	3.50 (89.0)
<b>SA kits</b>		
SA1	0.59 (15.0)	1.05 (27.0)
SA2	0.83 (21.0)	1.64 (42.0)
SA3	1.27 (32.0)	2.17 (55.0)
SA4	1.60 (41.0)	2.60 (66.0)

**Table 2. Catalog numbering system—for jacketed concentric neutral cable**



**Table 3. Catalog numbering system—for metallic shield cable**



## Dimensional information



**Figure 3. EZ Seal sleeve and core dimensions**

**Table 4. Typical sleeve and core dimensions**

Catalog number	Typical expanded sleeve length on core inches (mm)	Typical relaxed sleeve length installed on cable inches (mm)	Core inner diameter inches (mm)
CS1	6.00 (152.0)	8.00 (203.0)	2.13 (54.0)
CS2	7.00 (178.0)	9.00 (230.0)	2.87 (73.0)
CS3	7.50 (190.0)	10.00 (254.0)	3.87 (98.0)
SA1	5.50 (140.0)	7.00 (178.0)	1.32 (34.0)
SA2	6.00 (152.0)	8.00 (203.0)	2.13 (54.0)
SA3	7.00 (178.0)	9.00 (230.0)	2.87 (73.0)
SA4	7.50 (190.0)	10.00 (254.0)	3.30 (84.0)

**Eaton**  
1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
Eaton.com

**Eaton's Power Systems Division**  
2300 Badger Drive  
Waukesha, WI 53188  
United States  
Eaton.com/cooperpowerseries

© 2023 Eaton  
All Rights Reserved  
Printed in USA  
Publication No. CA650106EN / Z27021  
January 2023