



Industrial Insulated Protective Cap

200 A

15 kV Class

5810-PC-15

Data Sheet

1.0 Product Description

1.1 General

The 3M™ Industrial Insulated Protective Cap is an accessory device designed to electrically insulate and mechanically seal loadbreak bushing interfaces. When mated to a loadbreak product and the drain wire is attached to ground, the Insulated Protective Cap provides a fully shielded, submersible insulating cover for energized bushings. The cap can be used for permanent or temporary installation on bushings, junctions or feedthru devices that meet the requirements of ANSI/IEEE Standard 386.

1.2 Installation

No special tools are required. A shotgun stick tool is used to place the protective cap on an exposed bushing interface. Refer to Installation Instructions for details.

1.3 Production Tests

Tests conducted in accordance with ANSI/IEEE Standard 386:

- ac 60 Hz 1 Minute Withstand 34 kV
- Minimum Corona Voltage Level 11 kV

Tests conducted in accordance with manufacturer's requirements:

- Physical Inspection
- Periodic Dissection
- Periodic Fluoroscopic Analysis

2.0 Ordering Information

To order the 15 kV Class Insulated Protective Cap Kit, refer to Table 2.



Figure 1. Insulated Protective Cap electrically insulates and mechanically seals loadbreak bushing interfaces.

TABLE 1
Voltage Ratings and Characteristics

Description	kV
Standard Voltage Class	15
Maximum Rating Phase-to-Phase	14.4
Maximum Rating Phase-to-Ground	8.3
ac 60 Hz 1 Minute Withstand	34
dc 15 Minute Withstand	53
BIL and Full Wave Crest	95
Minimum Corona Voltage Level	11

Voltage ratings and characteristics are in accordance with ANSI/IEEE Standard 386.

TABLE 2
Insulated Protective Cap Kit

Description	Catalog Number
Protective Cap	5810-PC-15

3.0 Features and Detailed Description

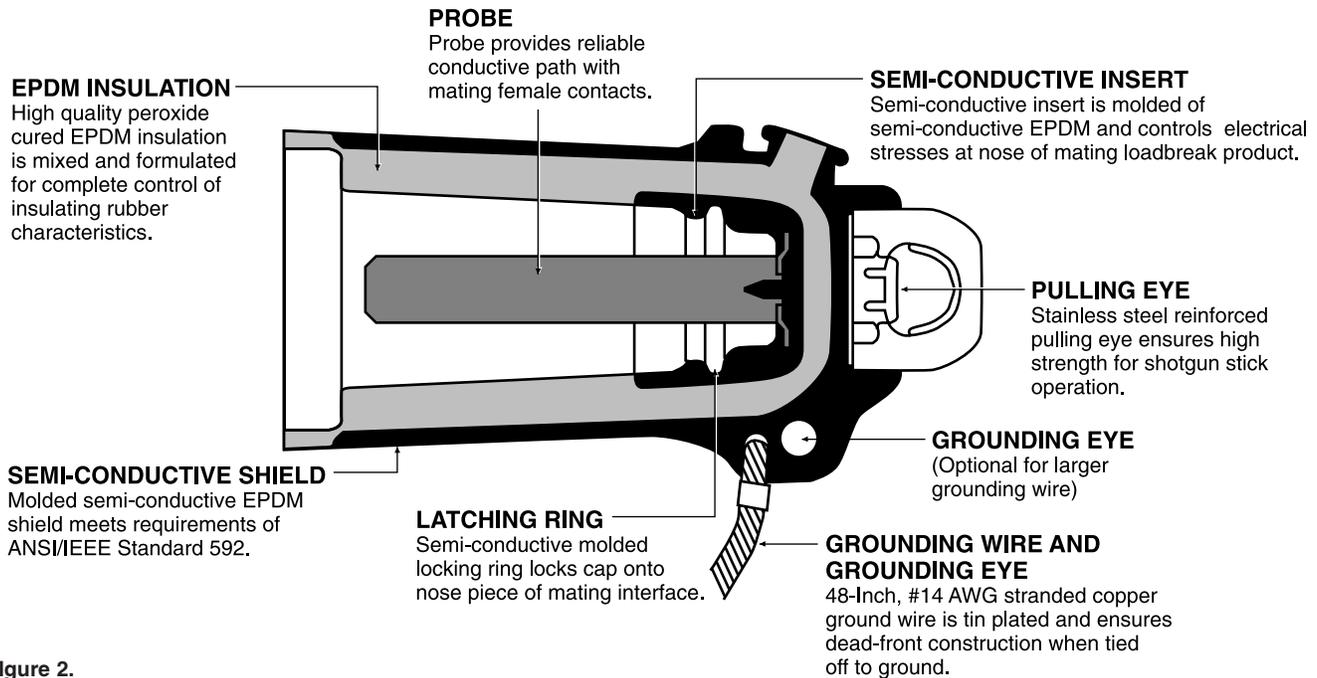


Figure 2.
Illustration shows construction of insulated protective cap.

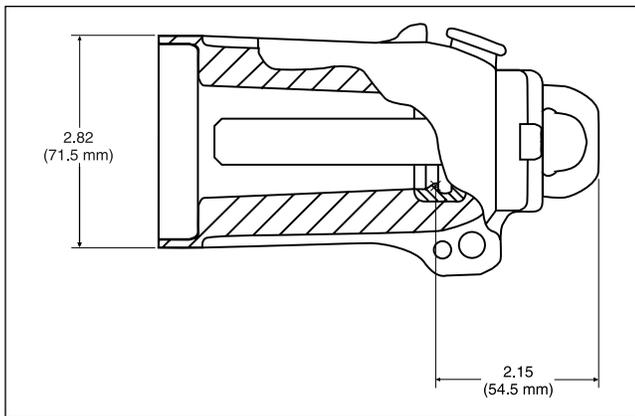


Figure 3.
15 kV Insulated Protective Cap profile and stacking dimensions.

Each kit contains:

- Protective Cap with stranded copper ground wire
- Silicone Lubricant
- Installation Instruction Sheet

4.0 Availability

The 3M™ 5810-PC-15 Industrial Insulated Protective Cap is available for use with ANSI/IEEE Standard 386 15 kV loadbreak bushing interfaces.

The 5810-PC-15 is available from your local authorized 3M electrical distributor.

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IMPORTANT NOTICE

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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