



# CHANCE<sup>®</sup>

## Cover-Up Equipment

Catalog 2400 March 2020

Cover-Up Equipment -2400



## ⚠ WARNING

Cover-up equipment, by necessity, is designed to be as universal as possible. Therefore it is possible, as examples, for (1) a tie wire to touch a potentially grounded pin or other part, (2) a person's hand to touch the conductor through an opening in the equipment, or (3) a part of a person's body or other work equipment to contact the conductor through an opening in the cover-up equipment or "in the vicinity of junctions between pieces of cover-up equipment." These possibilities, as well as other possible contacts, do exist, and the persons using this equipment must be aware of them and consider them on each and every application. Necessary precautions must be taken to prevent these contacts. Under no circumstances is CHANCE cover-up equipment intended to prevent mechanical equipment from contacting either energized or grounded surfaces.

## Cover-Up Equipment

### Features & Applications

- For all types of high-voltage line maintenance
- Most pieces can be installed with rubber gloves or hot stick application eyes
- Common sense rules must always be followed when using cover-up equipment, including:
  1. Cover-up equipment (such as line covers, insulator covers, cutout covers, and deadend covers) is intended to prevent personnel from making accidental brush contact with energized parts or equipment. Under no conditions should personnel purposely contact the covers, except with adequate rubber gloves, and personnel must always be aware of their position in order to avoid accidental contact with the cover
  2. Cover-up equipment (such as pole covers, crossarm guards, crossarm end covers, and pole top covers) is intended to help prevent accidental contact of energized tie wires or conductors with the grounded surface of the pole or crossarm
  3. Cover-up equipment must be handled with care to minimize breakage and scratching, and must be kept clean. Maintenance is as important with cover-up

equipment as with other hot line tools. Each cover must be thoroughly inspected before each use to ensure that it has no cracks, deep scratches, or gouges and to ensure that it is clean. Cleaning should be done with a wiping cloth, and if that does not remove all dirt, mild soap and water should be used. Polyethylene covers can be cleaned with CHANCE Moisture-Eater II solvent-cleaner (see Catalog Section 2500). Caution: Solvents must be avoided unless the user can determine that the material in the particular cover is polyethylene

4. For Temporary Use — Cover-up equipment is designed to be as light and easy to use as possible, hence it is not made from materials that can withstand extended periods of electrical stress. Therefore, CHANCE cover-up equipment must not be left installed for extended periods, especially if allowed to touch both an energized surface and a possibly grounded surface. The situation would be highly aggravated in rainy or humid weather, when the surfaces of the covers become dirty, etc. Therefore, the covers should be removed at the end of the workday, if possible

## Cutout Covers 26.4kV Covered-Phase-to-Covered-Phase

### Features & Applications

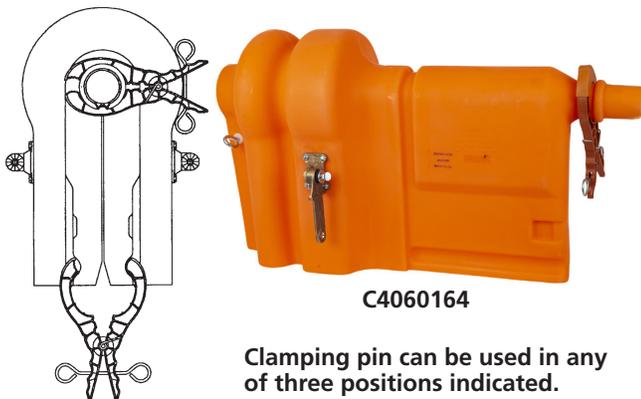
- Tested to ASTM F712 Class 3
- Protects linemen working near most open-type cutouts rated at 25kV or under
- Will not fit over cutouts with linkbreak levers, loadbreak ears or similar devices
- Can be placed over the cutout
- Locking pin slips behind the cutout insulator, over the hanger bracket, and into hole on opposite side of cover



- Eyes on cover and locking pin allow installation with a Grip-All clampstick
- Cover is made of orange high-impact ABS plastic
- Several units can be nested together for convenience and space saving on truck
- For metal grip-all adapter cutout cover, please order PSC4060612

Catalog No.	Description	Weight
C4060009	Cutout Cover with Locking Pin	4 lb. / 1.8 kg.

## Deadend Covers 26.4kV Covered-Phase-to-Covered-Phase



C4060164

Clamping pin can be used in any of three positions indicated.

### Features & Applications

- Tested to ASTM F712 Class 3
- Made of orange linear polyethylene
- Fits over maximum of two 10" dia. deadend insulators
- End of cover will mate with CHANCE 25kV conductor covers or rubber line hose to extend protected area
- Measures 34"L, 11" W and 12-1/2" from conductor to unit bottom
- Split unit fits easily over the conductor and insulators
- Split unit can be tightly clamped together using large hot stick clamp pin, which is similar to those used in securing rubber blankets
- A Grip-All adapter (included) allows unit to be installed with a clampstick
- Can also be placed into position with rubber gloves and sleeves

Catalog No.	Description	Weight
C4060164	Deadend Cover	5 lb. / 2.3 kg.



# Conductor and Insulator Covers

26.4kV Covered-Phase-to-Covered-Phase (for 36.6kV Covered-Phase-to-Covered-Phase conductor covers, see page 2406)

## Features & Applications

- Tested to ASTM F712 Class 3
- A versatile system of covering up a variety of configurations on distribution systems
- Conductor and insulator units mate together to cover pin-type or post-type insulator construction
- Can also be used with the deadend cover, shown on page 2402
- Units cover hot parts and hardware to give linemen protection from incidental brush contact when rubber gloving or using hot sticks
- Covers will couple with major brands of rubber line hose and insulator covers of 25kV Class
- Both covers are made of high-density, bright orange polyethylene
- Conductor covers are 5' long and are available with a Grip-All adapter for hot stick application or without adapter for rubber glove application
- Also available with 4' Epoxiglas® handles
- Maximum conductor size: 666 kcmil ACSR
- Insulator covers are 21" long and 8-1/2" wide
- Available in two heights: 6" and 9" from conductor to cover base to fit different size insulators
- For use with Grip-All adapter for hot stick application

Catalog No.	Description	Weight
C4060181	5' Conductor Cover with 4' Epoxiglas Handle	5 lb. / 2.3 kg.
P4060184	5' Conductor Cover without Adapter or Handle	3 lb. / 1.4 kg.
C4060181GA	5' Conductor Cover with Grip-All Adapter	4 lb. / 1.8 kg.
PSC4032879	Grip-All Adapter Replacement Kit	1 lb. / 0.5 kg.
C4060182	Insulator Cover — 6" with Grip-All Adapter	3 lb. / 1.4 kg.
P4060185	Insulator Cover — 6" without Grip-All Adapter	2 1/2 lb. / 1.1 kg.
C4060182L	Insulator Cover — 9" with Grip-All Adapter	4 lb. / 1.8 kg.
P4060186	Insulator Cover — 9" without Grip-All Adapter	3 1/2 lb. / 1.6 kg.

### PSC4032879 Grip-All Adapter Replacement Kit

as furnished on C4060181GA and C4060514GA Conductor Covers includes 2 Screws P0010740P and 1 each: Bracket P4060196P, Adapter C4060040, Wing Nut 055067P, Bolt 066713P.



P4060184 without Grip-All Adapter for rubber glove application



C4060181 with 4-foot Epoxiglas handle



C4060182 and C4060182L with Grip-All Adapter. For double cross-arm applications, please use catalog number PSC4060182001 with C4060182.



C4060181GA with Grip-All Adapter



P4060185 and P4060186 without Grip-All Adapter for rubber-glove application

## Pole Covers

### 36.6kV Covered-Phase-to-Covered-Phase



Pole covers can be placed and removed easily from ground level using CHANCE telescoping tools.

## Rope Lock Assembly

### Features & Applications

- For securing pole covers on metal, concrete, composite or wood poles
- To help keep pole covers in place, especially on smooth surfaces



**C4060547**  
Rope Lock Assembly

- Easy to place and remove
- May be applied midway and/or as a lower support for pole covers
- For use on 6", 9" or 12" diameter pole covers
- Instructions are included with each unit for simple installation by hand and removal from ground level with a hot stick

Catalog No.	Description	Weight
C4060547	Rope Lock Assembly	1½ lb. / 0.8 kg.
C4060564	Replacement rope, ½" x 7 ft.	½ lb. / 0.3 kg.

### Features & Applications

- Tested to ASTM F712 Class 4
- Protect personnel when raising or lowering a pole between energized lines
- Cover poles during rubber glove maintenance in confined areas
- High-dielectric linear polyethylene covers will not flash flame
- This material will have some softening without deformation at approximately 170°F, and it will resist brittleness at temperatures to -50°F
- Pole covers are ribbed to reduce cover contact with the pole, thus minimizing creosote contamination
- Nylon button on 4' and 6' lengths allows pole covers to be joined together in tandem, where longer lengths are required
- Rope handles help to easily spread the covers and snap them around the pole (Rubber gloves must be worn during this procedure)
- Prolonged contact with an energized conductor must not be allowed
- Button-Nut Kit, T4060214
- Should be used in conjunction with conductor covers when raising or lowering poles

Catalog No.	Overall Length	Weight
<b>6" Diameter Pole Covers</b>		
C4060550	48" overall length	6½ lb. / 3 kg.
C4060551	72" overall length	9½ lb. / 4.3 kg.
<b>9" Diameter Pole Covers</b>		
M49371	12" long	2½ lb. / 1.1 kg.
M49372	24" long	4 lb. / 1.8 kg.
M49374	48" long	9 lb. / 4.1 kg.
M49376	72" long	13 lb. / 5.9 kg.
<b>12" Diameter Pole Covers</b>		
C4060029	24" long	5½ lb. / 2.5 kg.
C4060030	48" long	11 lb. / 5.0 kg.
C4060000	72" long	16 lb. / 7.3 kg.



## ABS Pole Covers 36.6kV Covered-Phase-to-Covered-Phase



### Features & Applications

- Tested to ASTM F712 Class 4
- Protection from accidental brush contact with energized components during pole removal/ installation and other line maintenance
- Made of ABS Plastic
- Covers can be joined by overlapping impressions.

Catalog No.	Overall Length	Weight
<b>9" (22.9 cm) Diameter Pole Covers</b>		
PSC4060699	72" (182.9 cm) long	13 lb. / 5.9 kg.
PSC4060700	48" (121.9 cm) long	11 lb. / 5.0 kg.
PSC4060701	36" (91.4 cm) long	9 lb. / 4.1 kg.
PSC4060702	24" (61.0 cm) long	6 lb. / 2.7 kg.
PSC4060703	12" (30.5 cm) long	4 lb. / 1.8 kg.
<b>12" (30.5 cm) Diameter Pole Covers</b>		
PSC4060704	72" (182.9 cm) long	19 lb. / 8.6 kg.
PSC4060705	48" (121.9 cm) long	13 lb. / 5.9 kg.
PSC4060706	24" (61.0 cm) long	7 lb. / 3.2 kg.
PSC4060707	12" (30.5 cm) long	4 lb. / 1.8 kg.

## Flexible Stinger and Crossarm Covers

### Features & Applications

- Made from Orange, Type II rubber (ozone resistant)
- Crossarm cover rated Class 2 (17kV Phase-to-Phase)
  - Maximum arm size of 4" (102mm) x 4.5" (114mm)
  - Meet or exceed ASTM D1049
  - Provides insulation to support conductors in linehose during energized maintenance
- Stinger Covers rated Class 2 (17kV Phase-to-Phase) and Class 3 (26.5kV Phase-to-Phase)
  - Meet or exceed ASTM D1050
  - Maximum conductor diameter of 1.1" (28mm)
  - Provides the flexibility needed to use on stingers in addition to overhead lines

Catalog No.	Description	Weight
PSC4060672	Class 2 Type II Rubber Insulating Crossarm Cover	3.1 lb. / 1.4 kg.
PSC4060674	Class 2 Type II Rubber Stinger Cover 35.0" (888 mm)	3.0 lb. / 1.4 kg.
PSC4060675	Class 2 Type II Rubber Stinger Cover 15.8" (400 mm)	1.2 lb. / 0.5 kg.
PSC4060748	Class 3 Type II Rubber Stinger Cover 36.0" (914mm)	5.0 lb. / 2.3kg.



PSC4060672



PSC4060675

PSC4060674



PSC4060748

## Covers for Conductor, Insulators and Deadends

- 36.6kV Covered-Phase-to-Covered-Phase
- Tested to ASTM F712

- Tested to ASTM F712 Class 4
- A versatile system of covering up a variety of configurations on distribution systems
- Conductor and insulator units mate together to cover pin-type or post-type insulator construction
- Units cover hot parts and hardware to give linemen protection from incidental brush contact when rubber gloving or using hot sticks
- Each item is fitted with an adapter for multi-position handling by Grip-All clampsticks
- These covers also couple with CHANCE 25kV covers (catalog pages 2402 and 2403), Classes 2, 3 and 4 of rubber line hose (pages 2414 and 2415), and Class 2 Temporary Conductor Cover (page 2407)
- Covers also couple with major brands of rubber insulator hoods
- All covers are high-density, bright orange polyethylene in uniform wall thickness
- Excellent dielectric/puncture strength and perform well from -50° to 170°F
- Ultra-violet stabilizers in material help inhibit degradation as a result of atmospheric exposure
- Conductor cover is 5' long
- V-shaped cover's bottom edge makes it easy to install
- Four indented ribs along top edge for air gap between conductor and cover
- Maximum conductor size is 666 kcmil ACSR
- Insulator covers come in two heights: Either 12" or 16-1/2" tall
- Insulator Cover fits 6-1/2" to 9"-diameter pin or post insulators
- Special slits in insulator covers help locate the conductor and hardware when installing covers
- Deadend cover fits three 10"-dia. porcelain bells or polymer deadend insulators and couples with line cover
- To meet the Class 4 rating, deadend cover must be used in conjunction with a rubber insulating blanket covering the coupler to the line cover
- Failure to use a blanket to cover the coupler may result in electrical shock, severe injury or death by electrocution.

Insulator Covers  
C4060557 (12" height)  
and  
C4060557L (16½" height)

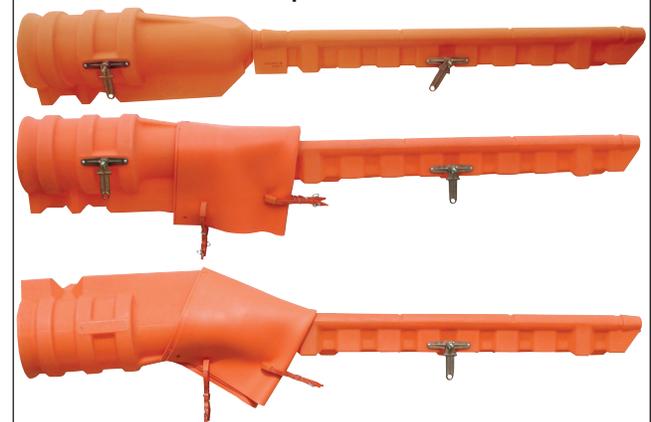


Deadend Cover  
C4060537



Insulator Cover couples with Conductor Cover using Hot Sticks or Rubber Gloves

Deadend Cover couples with Conductor Cover



To meet the Class 4 rating, the deadend cover must be used in conjunction with a rubber insulating blanket covering the coupler to the line cover. Failure to use a blanket to cover the coupler may result in electrical shock, severe injury or death by electrocution.



Conductor Cover C4060514GA. PSC4060514GA001 for Conductor Cover without Grip-All Adapter

### PSC4032879

#### Grip-All Adapter Replacement Kit

as furnished on C4060181GA and C4060514GA Conductor Covers includes 2 Screws P0010740P and 1 each: Bracket P4060196P, Adapter C4060040, Wing Nut 055067P, Bolt 066713P.



Catalog No.	Description	Weight
C4060514GA	5 ft. Conductor Cover	5¼ lb. / 2.4 kg.

Conductor cover is 5 feet long and includes an adapter for handling by Grip-All clampsticks.

Maximum conductor size: 666 kcmil ACSR.

C4060557	12" Insulator Cover	3 lb. / 1.4 kg.
C4060557L	16½" Insulator Cover	3½ lb. / 1.6 kg.

Insulator covers fit 6½" to 9"-diameter pin or post insulators. Each cover includes an adapter for handling by Grip-All clampsticks.

C4060537	Deadend Cover	5¼ lb. / 2.4 kg.
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Deadend cover fits three 10"-diameter porcelain bells or polymer deadend insulators and includes an adapter for handling by Grip-All clampsticks.

## Class 2 Temporary Conductor Cover 14.6kV Covered-Phase-to-Covered-Phase

### Features & Applications

- Lightweight - 50% the weight of similar rubber hose
- Rated 8.4kV phase to ground
- Meets ASTM F712 Class 2
- Available in 5 or 6 ft models
- High visibility orange color
- Secure locking feature / male and female connecting ends
- Larger ID than traditional Class 2 rubber hoses (1.75 in. compared to 1.25 in.)

Catalog No.	Description	Weight
PSC4060616	5' Class 2 Conductor Cover	1.7 lb. / 0.8 kg.
PSC4060617	6' Class 2 Conductor Cover	2.0 lb. / 0.9 kg.



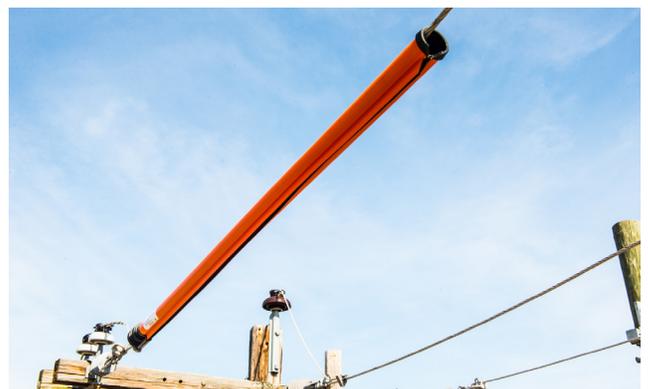
Cover will couple with major brands of rubber line hose and insulator covers. (C4060182 Insulator Cover shown on page 2403)

Note: This product has a black inner layer and orange outer layer of material.

If either layer should wear such that the color from the opposite layer is visible, the product must be taken out of service immediately.

Design tested per ASTM specification F712

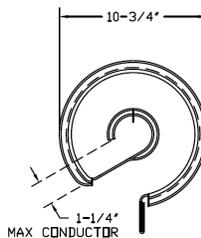
Keep product clean and dry, moisture and contaminants reduce the dielectric properties. Cover may be cleaned with CHANCE® Moisture Eater II (see Catalog Section 2500).



## Spiral Conductor Covers 72.5kV Covered-Phase-to-Covered-Phase ASTM F712 Class 6

### Features & Applications

- Provides protection for accidental brush contact during live line maintenance
- Tested per ASTM F712
- Made from tough, durable ABS Plastic
- Includes grip-all adapter for hotstick installation
- Overall length of approximately 53in. (1.3m)



Catalog No.	Description	Weight
PSC4060737GA	Class 6 72.5kV Spiral Conductor Cover	11 lb. / 5 kg.

## Universal Hot Cover Class 4 Stackable Design

### Features

- Designed to cover post insulators, cable terminations, arresters and potheads
- Rated Class 4 – 36.6kV Covered-Phase-to-Covered-Phase per ASTM F712
- Designed to be stackable and take up less room
- Secure in place with included bungie cord
- Can be used with hot-sticks or rubber gloves



Catalog No.	Description	Weight
PSC4060692	Class 4 Universal Hot Cover	3.7 lb. / 1.7 kg.

## Overhead Switch Barrier Cover all three phases

The Barrier Board is designed to cover all three phases of a 12kV or 25kV horizontal disconnect switch in a substation. The Barrier Board acts as a physical barrier between the open switch and the bus. It lifts easily with shotgun sticks for proper placement. The barrier covers the lower blade portion of the disconnect switch so that work can be performed on the bottom side of the switch.

### Features

- Designed to fit 12kV or 25kV disconnect switches
- Compatible with 30" and 36" spacing
- Puncture Strength - 300 V/mil (approx .25 in thickness)
- Provided with Gripall adapters (2 positions)
- High visibility orange color
- Provided with yellow vinyl bag
- Available as individual item or 2 per kit
- Custom options available



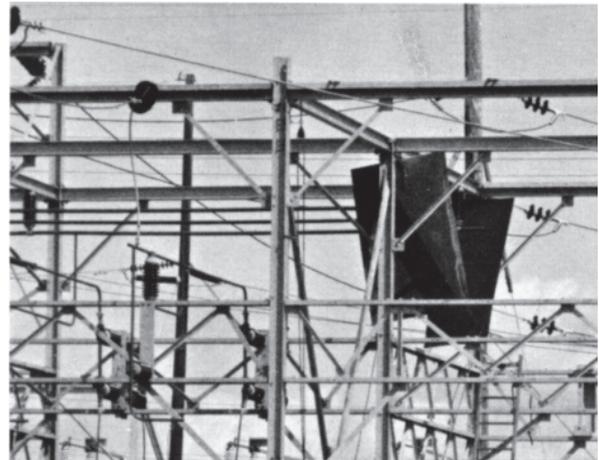
Catalog No.	Description	Dimensions	Weight
PSC4060648	Board Barrier	84" x 19" x 5"	17 lb. / 7.7 kg.
PSC4060651	Kit (2 Barriers and Bag)	84" x 19" x 5"	35 lb. / 15.9 kg.
PSC4060650	Bag	86" with handles	1 lb. / 0.5 kg.



# Substation and Underground Barriers

## Features & Applications

- Same excellent quality bright-orange linear polyethylene material as used in many pieces of CHANCE cover-up equipment
- Available in 4' x 6' sheets for use in substations and as underground barriers
- Cutting smaller pieces is accomplished with any hand or power saw
- Form the sheets with a blow torch or in an oven heated to 250°F
- Although sheet becomes increasingly stiff as temperatures drop, it does not become brittle and break at -50°F
- Will not soften or deform at 170°F
- Material will not flash flame
- Puncture strength is 300 volts per mil.



Catalog No.	Description	Weight
C4060002	4 feet x 6 feet x 0.255"	30 lb. / 13.6 kg.

## Insulator, Hardware, and Crossarm Covers

### Pole Top Cover — 36.6kV Covered-Phase-to-Covered-Phase

- Tested to ASTM F712 Class 4
- Made of high-impact orange ABS plastic
- Helps prevent tie wires from contacting pole when tying/untying ridge construction
- Fits a pole top of up to 10" dia. with single- or double-ridge pin construction
- Maximum bolt length is 16"
- Rests on pole top, covering 10-1/2" of the pole top and 4-1/2" of ridge pin
- By using the elastic cord furnished with cover, cover-up can be butted against insulator to cover ridge pin and pole top

Catalog No.	Description	Weight
C4060097	Pole Top Cover	2 1/2 lb. / 1.1 kg.



C4060097

### Crossarm End Cover — 36.6kV Covered-Phase-to-Covered-Phase

- Tested to ASTM F712 Class 4
- Covers crossarm end to help prevent tie wires from contacting crossarm during tying/untying
- Helps prevent lineman from contacting a ground potential while in contact with conductor
- Fits over crossarm end up to 5" x 6" with either pin- or post-type insulator
- Made of ABS orange plastic
- Slots may be cut in each side to provide passage for double-arming bolts

Catalog No.	Description	Weight
C4060102	Crossarm End Cover	2 1/2 lb. / 1.1 kg.



C4060102

### Post Insulator Covers — 48.3kV & 26.4kV Covered-Phase-to-Covered-Phase

- Tested to ASTM F712 Class 5 and 3
- Made of high-impact orange ABS plastic
- Split on each side forms a passage for the conductor
- Bottom portion of T-shape covers the insulator skirts
- Horizontal portion covers the conductor and hardware
- Horizontal portion is flared at each end to interlock with CHANCE 36.6 or 46kV spiral conductor covers (see page 2410)
- Larger cover may be used on vertical and horizontal 46kV tie top and clamp top post insulators and Epoxirod® standoffs, pole tops and bi-unit assemblies
- Not for rubber glove installation above 34.5kV

Catalog No.	Description	Weight
C4060091	48.3kV Post Insulator Cover	3 1/2 lb. / 1.6 kg.
C4060092	26.4kV Post Insulator Cover	3 lb. / 1.4 kg.



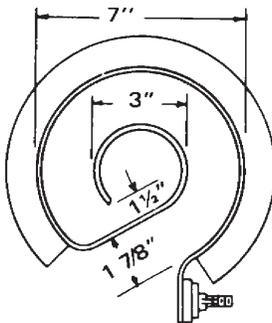
C4060091



C4060082



C4060040  
Grip-All Adapter  
available as accessory,  
interchangeable with  
Epoxyglas handles.



Cross Section



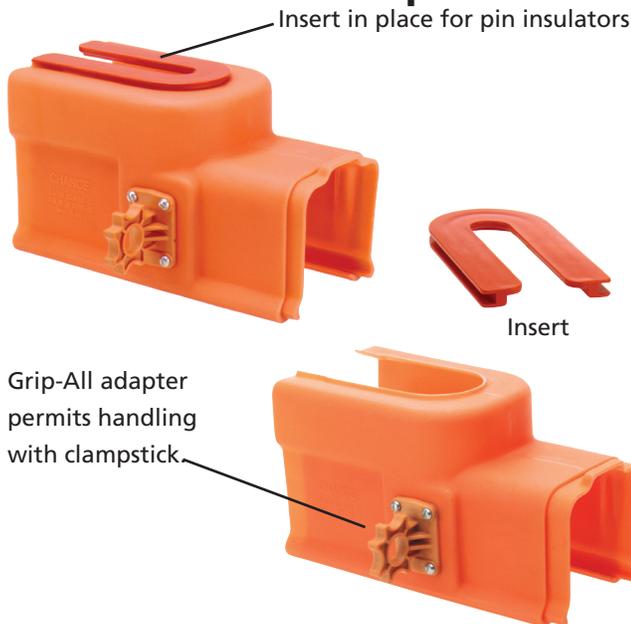
15/36.6kV units  
are slotted to fit over  
15kV insulators.

## Spiral Conductor Covers 14.6/36.6kV and 48.3kV Covered-Phase-to-Covered-Phase Features & Applications

- Tested to ASTM F712 Class 4 or Class 5
- Available with 4' or 6' Epoxyglas® handle for easy installation from a bucket or platform, in single units or linked together
- Easy-to-install, bright-orange conductor cover
- Extra protection with a wide air space between two thicknesses of solid insulation
- Made of tough, durable ABS plastic
- Overall length of each cover is 53"
- All units can interlock with each other to make up a chain of guards
- Eliminates the need for an insulator cover
- Each double-crossarm unit will fit over two 15kV pin-type insulators

Catalog No.	Type of Fitting	Weight
<b>48.3kV Ø-to-Ø Units</b>		
C4060082	w/ 4' Epoxyglas handle	10½ lb. / 4.8 kg.
C40600826	w/ 6' Epoxyglas handle	11½ lb. / 5.2 kg.
C4060082GA	w/ Grip-All Adapter	9½ lb. / 4.3 kg.
<b>14.6/36.6kV Ø-to-Ø Units for Single Crossarm</b>		
C4060083	w/ 4' Epoxyglas handle	9½ lb. / 4.3 kg.
C40600836	w/ 6' Epoxyglas handle	10½ lb. / 4.8 kg.
C4060083GA	w/ Grip-All Adapter	8½ lb. / 3.9 kg.
<b>14.6/36.6kV Ø-to-Ø Units for Double Crossarm</b>		
C4060084	w/ 4' Epoxyglas handle	9 lb. / 4.1 kg.
C40600846	w/ 6' Epoxyglas handle	10 lb. / 4.5 kg.
C4060084GA	w/ Grip-All Adapter	8 lb. / 3.6 kg.

## Crossarm Cover Up



## Features & Applications

- ASTM Class 3 rated 26.4kV Covered-Phase-to-Covered-Phase
- Telescopes to fit exact length requirements
- Fits onto wood or steel crossarm sizes up to 3-3/4" x 4-3/4" for energized line work
- Two-piece design telescopes from 13.1" to 20.9"
- Allows easy adjustment to various lengths
- With removable insert in place, gives desired close fit on pin insulator construction
- For the same type fit on post insulators, the insert simply is not used
- An external hotstick adapter on the cover allows easy placement and removal by a Grip-All clampstick from most access angles



Sliding sections extend or retract to cover exposed crossarm.

Catalog No.	Description	Weight
C4060504	Crossarm Cover Up	2¼ lb. / 1 kg.

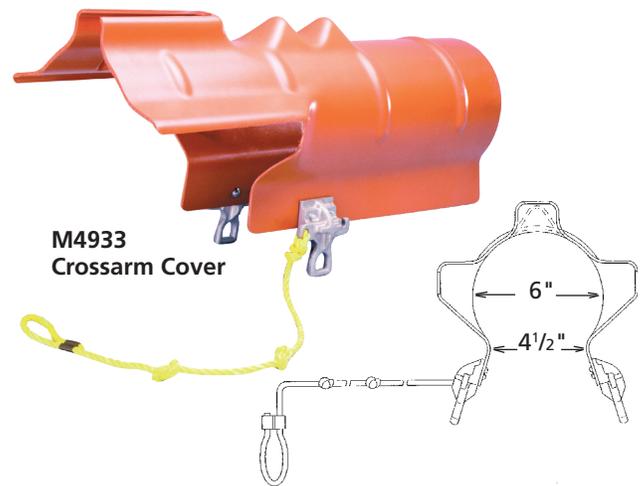


## Crossarm Cover

### 36.6kV Covered-Phase-to-Covered-Phase

#### Features & Applications

- Tested to ASTM F712 Class 4
- Helps prevent tie wires from contacting crossarm when tying/untying insulators
- Material used is the same high-dielectric polyethylene used for CHANCE conductor and insulator covers (shown below)
- Designed for single- or double- arm construction
- Slots provided for double-arming bolts
- Flanges above slots shield the ends of double-arming bolts



Catalog No.	Overall Length	Weight
M4933	Crossarm Cover, 24" Long	3 1/4 lb. / 1.5 kg.

## Conductor and Insulator Covers

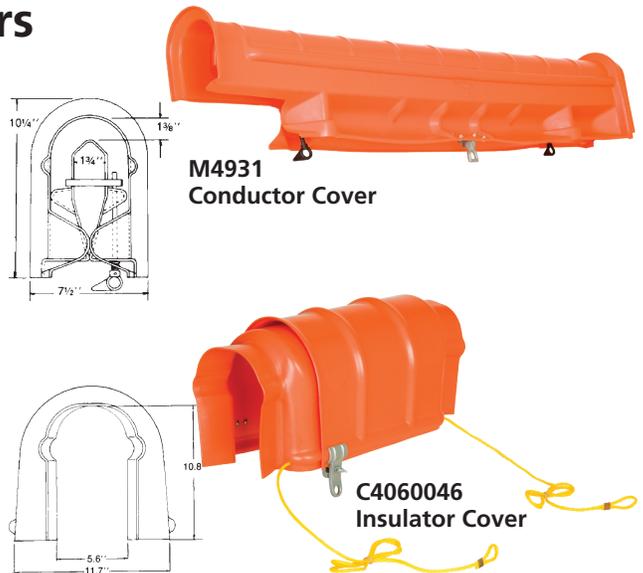
### 46kV Covered-Phase-to-Covered-Phase



Two conductor covers lock together on a 13kV line where an insulator cover is not required.



Two conductor covers lock with insulator cover on middle conductor of 34.5kV sub-transmission lines.



#### Features & Applications

- Made of high-dielectric polyethylene
- Wax-like surface provides natural self-cleaning action and resists effects of greases and other contaminants
- Bright-orange color gives visible warning to workers close to equipment
- Designed to help protect lineman while working close to energized conductors
- Rated Covered-Phase-to-Covered-Phase for voltages through 46kV
- Can be easily installed with a Grip-All clampstick
- Clips on and covers conductors up to 1 3/4" in diameter
- A positive air gap is maintained by a special hanger system inside the cover
- Conductor is locked in the hanger by a swinging latch that can be opened and closed with a hot stick

- Insulator cover is designed to be used in conjunction with two conductor covers on insulators above 13kV
- Fits over insulator and locks with a conductor cover on each end
- Polypropylene rope swings under the crossarm and hooks with a clampstick
- Helps to prevent insulator cover from dislodging due to bumping or wind gusts

#### Test Data

- Tested to ASTM F712
- Electrical: Tests using conductor covers in conjunction with insulator covers provided 46kV phase-to-phase protection for normal working conditions
- Temperature: Will not soften or deform at 170° F. Will not become brittle at -50° F

Catalog No.	Description	Capacity	Overall Length	Weight
M4931	Conductor Cover	Conductors through 1 3/4" diameter	5'	9 1/4 lb. / 4.2 kg.
C4060046	*Insulator Cover Set	Insulators through 10 1/2" diameter	22" to 34"	11 lb. / 5.0 kg.

\*Consists of two pieces.

## Rubber Insulating Blankets

### Features & Applications

- Meet ASTM Standard Specification D1048
- Type II (ozone-resistant)
- Class 4 blankets maximum use voltage 36kV and proof tested at 40kV AC
- Class 2 blankets maximum use voltage 17kV and proof tested at 20kV AC

### Performance-Designed Material

- Protect workers from accidental contact with energized components during line maintenance
- Made of ozone/corona-resistant elastomer
- Offer excellent performance properties with ASTM Standard Specification D1048
- Special formulation exhibits superior resistance to long-term aging/checking
- Will retain its high-visibility orange color

### Versatile Protection, Maximum Rating

- Flexible to cover many irregular shapes
- Used with conductor covers (flexible or rigid) on deadends, apparatus, secondary racks, poletop pins and crossarms
- Blankets may be used in applications which require lower Class or type
- Designed with perimeter eyelets to accept CHANCE button C4060532 and most other buttons existing in the field
- 1.5"-diameter center hole on slotted blankets will easily fit around common hardware



Cat. No. C4060532



### Solid Blankets

Catalog No.	Description	Weight
PSC13	Class 4 22" x 22", 28 eyelets	2.7 lb. / 1.2 kg.
C4060346	Class 4 36" x 36", 6 eyelets	8¼ lb. / 3.7 kg.



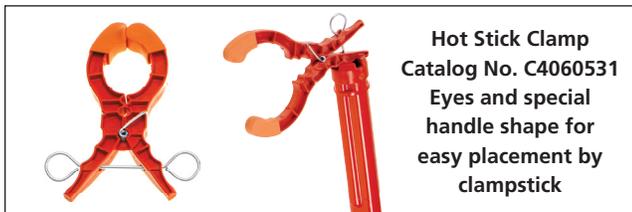
### Slotted Blankets

Catalog No.	Description	Weight
C4060348	Class 4 36" x 36", 28 eyelets	8¼ lb. / 3.7 kg.
PSC4060708	Class 2 22" x 22", 12 eyelets	3 lb. / 1.4 kg.
PSC4060724	Class 4 22"x22", 28 eyelets	3.2 lb. / 1.5 kg.

### Accessories

Catalog No.	Description	Weight
C4060530	Clamp Pin, Rubber Glove	0.27 lb. / 0.12 kg.
C4060531	Clamp Pin, Hot Stick	0.37 lb. / 0.17 kg.
PSC4060676	In-line Clamp Pin, Hot Stick	0.7 lb. / 0.3 kg.
C4060532	Button, Rubber Blanket	⅛ lb. / 0.1 kg.
PSC4060759	Magnetic Blanket Button	2.4oz / 0.07kg.
PSC4060760	Back-To-Back Blanket Button	0.8oz / 0.02kg.
C4032998	Storage Cannister*, no handle	6 lb. / 2.7 kg.
C4032999	Storage Cannister* w/ handle	7⅞ lb. / 3.5 kg.

\*For details, see Catalog Section 2500.



Hot Stick Clamp  
Catalog No. C4060531  
Eyes and special handle shape for easy placement by clampstick



Rubber Glove Clamp  
Cat. No. C4060530  
Special handle shape also fits clampstick for easy placement



Hot Stick Clamp  
Catalog No. PSC4060676  
For in-line use in grip-all clampstick



Blanket Buttons  
Cat. No. C4060759/  
C4060760  
For use with CHANCE rubber insulating brackets



# Type I Rubber Insulating Blankets

## Features & Applications

- Meet ASTM Standard Specification D1048
- Class 2 (17kV Ø-Ø maximum use)
- Type I (non-ozone-resistant)

## Performance-Designed Material

- Protect workers from accidental contact with energized components during line maintenance
- Made of natural rubber
- Offer excellent performance properties in accordance with ASTM Standard Specification D1048
- Special formulation will retain its excellent physical properties

## Versatile Protection, Maximum Rating

- Flexible to cover many irregular shapes
- Used with conductor covers (flexible or rigid) on deadends, apparatus, secondary racks, poletop pins and crossarms
- Blankets may be used in applications through 17kV phase-to-phase maximum
- Designed with perimeter eyelets to accept CHANCE button C4060532 and most other buttons existing in the field
- For details on buttons, clamp pins and storage cannisters, see page 2412



## Ordering Information

- Class 2
- Type I
- Proof Tested at 20kV AC rms
- Maximum Use: 17kV Ø-Ø

## BLACK Solid Blankets

Catalog No.	Description	Weight
PSC4060607	Class 2 36" x 36", 6 eyelets	6¼ lb. / 2.8 kg

# Flexible Rubber Cutout Covers

## Features & Applications

- For use on overhead cutouts
- Conforms to ASTM D1049
- Class 2 (17kV Ø-Ø max use) and Class 4 (36 Ø-Ø max use)
- Type II (ozone resistant)
- Tested at 20kV AC for Class 2 & 40kV AC for Class 4



Catalog No.	Class	Description	Weight
PSC24CC	2	24" x 15" x 3.75"	7.0 lb
PSC30CC	4	30" x 20" x 9"	11.0 lb



## Short-Lip Flexible Line Hose

### Features & Applications

- High-visibility orange color
- Choice of ratings and sizes: 17kV, Class 2, 1-1/4" -dia., 26.5kV, Class 3, 1-1/2" dia.

### Low Weight, High Performance

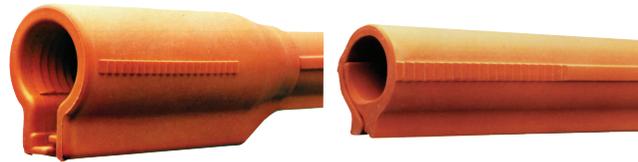
- Much lighter in weight than other flexible dielectric cover-up
- Helps protect workers from accidental brush contact with conductors
- In accordance with ASTM D1050, CHANCE ozone/corona-resistant thermoplastic elastomer offers excellent performance properties
- Does not absorb water

### Easy To Handle And Place

- Outer lip peels back with ease to open and start onto a conductor from either end
- With a push at the other end, full length slides on as lips zip closed around conductor
- To remove each piece, open one end and strip the remainder off the conductor

### Excellent Color Retention

- Effectively retains original color
- Superior resistance to long-term ageing/checking



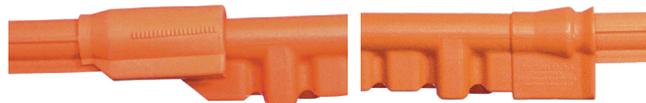
Serrated external ribs permit coupler to engage grooves inside long arm on flexible hoods made by others.

Resilient lips overlap to surround conductor.

Parallel grooves inside coupler match and grip the 20 serrations (1/4" each) in outside ribs. All serrated sections measure 5" long. Coupler overlaps 6" onto plain end.



Interchangeable with other flexible cover-up brands, CHANCE Line Hose also engages CHANCE rigid-type insulator hoods, deadend covers and lineguards (rated for 25kV phase-to-phase, see Catalog Pages 2402 and 2403).



### Short-Lip Line Hose — Type III — Ozone-Resistant

Meets ASTM Standard Specification D1050



#### ORANGE COLOR — Style A — Plain, Both Ends

Catalog No.	Length	Weight
<b>1 1/4" Inside Diameter — Max. Use Ø - Ø: 17kV — Class 2, Proof Tested at 20kV AC rms</b>		
C4060294	3 ft.	2.3 lb. / 1.0 kg.
C4060295	4 1/2 ft.	3.4 lb. / 1.5 kg.
C4060296	6 ft.	4.6 lb. / 2.1 kg.

#### ORANGE COLOR — Style B — Coupler, One End

Catalog No.	Length	Weight
<b>1 1/2" Inside Diameter — Max. Use Ø - Ø: 26.5kV — Class 3, Proof Tested at 30kV AC rms</b>		
C4060304	3 ft.	3.2 lb. / 1.4 kg.
C4060305	4 1/2 ft.	4.3 lb. / 2.0 kg.
C4060306	6 ft.	5.4 lb. / 2.5 kg.

C4060297	3 ft.	3.1 lb. / 1.4 kg.
C4060298	4 1/2 ft.	4.7 lb. / 2.1 kg.
C4060299	6 ft.	6.2 lb. / 2.8 kg.

C4060307	3 ft.	4.1 lb. / 1.9 kg.
C4060308	4 1/2 ft.	5.6 lb. / 2.6 kg.
C4060309	6 ft.	7.2 lb. / 3.3 kg.

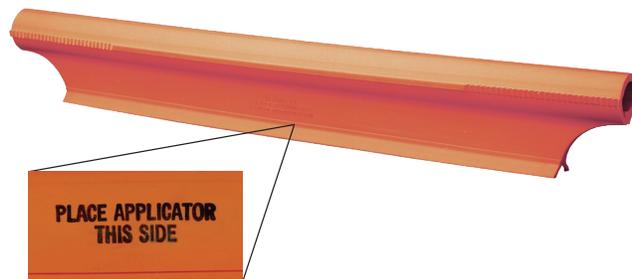


# Extended-Lip Flexible Line Hose

36kV, Class 4, 1½"-diameter

## Low Weight, High Performance

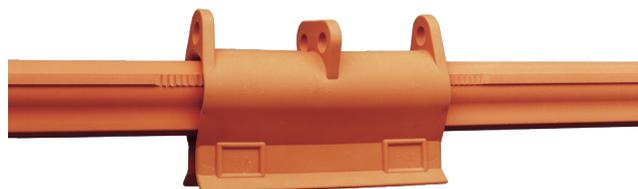
- As much as 25% lighter in weight than other Class 4 flexible cover-up
- Helps protect workers from accidental brush contact with conductors
- In accordance with ASTM D1050, CHANCE ozone/corona-resistant thermoplastic elastomer offers excellent performance properties
- Retains high-visibility orange color
- Special formulation exhibits superior resistance to long-term aging/checking
- Does not absorb water
- Dielectric cover-up system consists of a separate coupler and three hose lengths
- This permits hoses to join to cover straight runs or to flex to fit contours at bends and angles
- Shorter sections may be cut on site from standard lengths to custom-fit taps, jumpers and like wires



For installation by hot-line tools, design provides a flat area debossed full length to accept special applicator tools (see Catalog Section 2100).

## Easy To Handle And Place

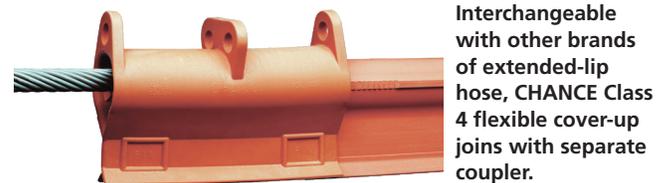
- Rubber gloves or hot-line tools may be used to apply CHANCE Class 4 Line Hose
- Lightweight, balanced material composition adds pliability
- Easy to put on, couple, relocate and remove, even when wearing leather protectors over rubber gloves
- Outer lip peels back with ease to open and start onto a conductor from either end
- With a push at the other end, full length slides on as lips zip closed around conductor
- So hose can insert into coupler, CHANCE bevel-cuts the serrations on the side ribs
- Vertical serrations resist withdrawal from the coupler
- Two or more coupled sections stay joined when drawn along on the conductor and positioned as a unit
- Rubber-like material slides readily by hand yet resists creep or slippage when placed
- To remove each piece, open one end and strip remainder off conductor



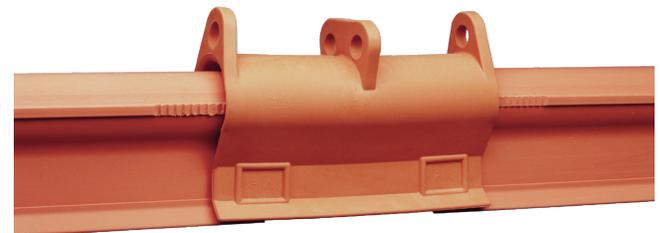
Coupler also can join sections CHANCE 1½"-diameter short-lip Class 3 hose for 26.5kV phase-to-phase maximum use.



Long lips provide flashover distance to permit use on systems through 36kV phase-to-phase.



Interchangeable with other brands of extended-lip hose, CHANCE Class 4 flexible cover-up joins with separate coupler.



Parallel grooves inside the coupler match and grip the 28 serrations (¼" each) in Class 4 hose ribs. All serrated sections on Class 4 hose measure 7 inches long. Coupler overlaps 5¼ inches onto hose when engaged.

## Ordering Information

Meets ASTM Standard Specification D1050 for Type III — Ozone Resistant Class 4, Proof Tested at 40kV AC rms Maximum Use, Phase-to-Phase: 36kV



Hose — Style C - Plain, Both ends — 1½" I.D.

Catalog No.	Length	Weight
C4060341	3 feet	4½ lb. / 2 kg.
C4060342	4½ feet	6¾ lb. / 3.1 kg.
C4060343	6 feet	9 lb. / 4.1 kg.



Coupler

C4060340	10½ inches	1½ lb. / 0.7 kg.
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**HUBBELL**<sup>®</sup>  
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Catalog 2400

