

# FM7™ Conduit Outlet Bodies, Covers and Gaskets

For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

NEC/CEC — Suitable for use in the following  
Hazardous Locations:  
Class I, Division 2 per NEC 501.10(B)(4)

## Applications

- Serve as pulling fittings.
- Make bends in conduit system.
- Provide openings for splicing.
- Connect and change direction of conduit runs.
- Allow connections for branch runs.
- Permit access to conductors for maintenance.

## Features

- Smooth, rounded integral bushings in hubs protect conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and excellent ground continuity.
- Wedge-Lok™ Form-IN-Place covers with integral gasket are approved for use in wet locations. Grayloy-iron bodies with cast covers and gasket are approved for use in wet locations.
- Unique Wedge-Lok™ clip cover design allows easy removal at any later time, without damaging the conduit body. The cover is secured with clips, not screws.
- Completely interchangeable with Crouse-Hinds® Form 7™ bodies, gaskets and covers. Equivalent FM7™ and Form 7™ units have identical applications and installation dimensions.
- Flat back design provides greater cubic content for easier wire pulling, and more room for splicing. Fits flush and snug against flat surfaces for more stable installation.
- Smooth hub bushings and cover openings protect conductor insulation. Smooth hub openings allow easy conduit joining.
- Pan-head cover screws secure cover clips and provide superior screwdriver seating and torque. Cover screws and clips are captive to prevent loss.
- Hub size, body style, compliance data, maximum wire number/size and cubic capacity molded into body.

## Standard Materials

- Body: Grayloy-iron or copperfree (4/10 of 1% max.) aluminum
- Covers: Grayloy-iron, copperfree (4/10 of 1% max.) aluminum or steel
- Cover screws: stainless steel

## Standard Finishes

- Grayloy-iron bodies and covers: triplecoat — (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- Cast aluminum bodies and covers: epoxy powder coat
- Steel covers: zinc electroplate
- Stamped aluminum covers: natural finish

## Options

- PVC coating available on select bodies and covers. Add suffix -PVC to catalog number.

## NEC/CEC Certifications and Compliances

- UL Standard: 514A , 514B
- UL Listed: E2527
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065183
- NEMA Standard: FB-1



Type LB

## Illustrated Features



Conduit Body with Cast Aluminum Cover, 1" Type C shown



Grayloy™-Iron, 1" Type C shown with cut-away body and cover to illustrate Wedge-Lok™ Clip Cover detail

Illustrated views are cut away to demonstrate back configurations.



Appleton™ FM7™ (C57, 1–1/2")  
28 Cubic Inches Capacity  
Flat-Back Design



Crouse-Hinds Form 7™  
(C57, 1–1/2")  
26 Cubic Inches Capacity

† Crouse-Hinds and Form 7™ are registered trademarks of Cooper Crouse-Hinds.

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## Appleton™ FM7™ Conduit Bodies ①

|                      |                   | C                                                                                 |            |                   |              | LB                                                                                |                   |              |            | LL                                                                                  |  |
|----------------------|-------------------|-----------------------------------------------------------------------------------|------------|-------------------|--------------|-----------------------------------------------------------------------------------|-------------------|--------------|------------|-------------------------------------------------------------------------------------|--|
| Hub Size<br>(Inches) | Max. Wire<br>Fill | Grayloy–Iron                                                                      | Aluminum ④ | Max. Wire<br>Fill | Grayloy–Iron | Aluminum ④                                                                        | Max. Wire<br>Fill | Grayloy–Iron | Aluminum ④ |                                                                                     |  |
|                      |                   |  |            |                   |              |  |                   |              |            |  |  |
| 1/2                  | ③                 | C17                                                                               | C-17SA     | ③                 | LB17         | LB-17SA                                                                           | ③                 | LL17         | LL-17SA    |                                                                                     |  |
| 3/4                  | (3) # 6           | C27                                                                               | C-27SA     | (3) # 6           | LB27         | LB-27SA                                                                           | (3) # 6           | LL27         | LL-27SA    |                                                                                     |  |
| 1                    | (3) # 4           | C37                                                                               | C-37SA     | (3) # 4           | LB37         | LB-37SA                                                                           | (3) # 4           | LL37         | LL-37SA    |                                                                                     |  |
| 1-1/4                | (3) # 3           | C47                                                                               | C-47SA     | (3) # 3           | LB47         | LB-47SA                                                                           | (3) # 2           | LL47         | LL-47SA    |                                                                                     |  |
| 1-1/2                | (3) # 3           | C57                                                                               | C-57SA     | (3) # 3           | LB57         | LB-57SA                                                                           | (3) # 2           | LL57         | LL-57SA    |                                                                                     |  |
| 2                    | (3) # 1/0         | C67                                                                               | C-67SA     | (3) # 1/0         | LB67         | LB-67SA                                                                           | (3) # 3/0         | LL67         | LL-67SA    |                                                                                     |  |
| 2-1/2                | (3) 2/0           | C77                                                                               | C-77SA     | (3) 3/0           | LB77         | LB-77SA                                                                           | (3) 250           | LL77         | LL-77SA    |                                                                                     |  |
| 3                    | (3) 2/0           | C87                                                                               | C-87SA     | (3) 2/0           | LB87         | LB-87SA                                                                           | (3) 250           | LL87         | LL-87SA    |                                                                                     |  |
| 3-1/2                | —                 | —                                                                                 | —          | (3) 300           | LB97         | LB-97SA                                                                           | (3) 350           | LL97         | LL-97SA    |                                                                                     |  |
| 4                    | —                 | —                                                                                 | —          | (3) 350           | LB107        | LB-107SA                                                                          | (3) 350           | LL107        | LL-107SA   |                                                                                     |  |

| Hub Size<br>(Inches) | Max. Wire<br>Fill | E                                                                                   |          | Max. Wire<br>Fill                                                                   | L ②          |            | Max. Wire<br>Fill | TA                                                                                    |          |
|----------------------|-------------------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|--------------|------------|-------------------|---------------------------------------------------------------------------------------|----------|
|                      |                   | Grayloy-Iron                                                                        | Aluminum |                                                                                     | Grayloy-Iron | Aluminum ④ |                   | Grayloy-Iron                                                                          | Aluminum |
|                      |                   |  |          |  |              |            |                   |  |          |
| 1/2                  | ③                 | E17                                                                                 | E-17SA   | ③                                                                                   | L17          | —          | ③                 | TA17                                                                                  | —        |
| 3/4                  | (3) # 6           | E27                                                                                 | E-27SA   | (3) # 6                                                                             | L27          | —          | (3) # 6           | TA27                                                                                  | —        |
| 1                    | (3) # 4           | E37                                                                                 | E-37SA   | (3) # 4                                                                             | L37          | —          | (3) # 4           | TA37                                                                                  | —        |
| 1-1/4                | —                 | —                                                                                   | —        | (3) # 2                                                                             | L47          | —          | (3) # 3           | TA47                                                                                  | —        |
| 1-1/2                | —                 | —                                                                                   | —        | (3) # 2                                                                             | L57          | —          | (3) # 2           | TA57                                                                                  | —        |
| 2                    | —                 | —                                                                                   | —        | (3) # 2                                                                             | L67          | —          | (3) # 2           | TA67                                                                                  | —        |

① Refer to following pages for Wiring Capacity Table.

② L Unilets have double opening and are furnished with one steel cover, assembled.

③ All 1/2" Max Wire Fill Calculations per the NEC - Annex C - Table C8.

④ PVC coating available on select aluminum bodies. Add suffix **-PVC** to catalog number.

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## Appleton™ FM7™ Conduit Bodies ①

| LR                                                                                |                   |              |            | T                                                                                   |              |            |
|-----------------------------------------------------------------------------------|-------------------|--------------|------------|-------------------------------------------------------------------------------------|--------------|------------|
| Hub Size<br>(Inches)                                                              | Max. Wire<br>Fill | Grayloy–Iron | Aluminum ③ | Max. Wire<br>Fill                                                                   | Grayloy–Iron | Aluminum ③ |
|  |                   |              |            |  |              |            |
| 1/2                                                                               | ②                 | LR17         | LR-17SA    | ②                                                                                   | T17          | T-17SA     |
| 3/4                                                                               | (3) # 6           | LR27         | LR-27SA    | (3) # 6                                                                             | T27          | T-27SA     |
| 1                                                                                 | (3) # 4           | LR37         | LR-37SA    | (3) # 4                                                                             | T37          | T-37SA     |
| 1-1/4                                                                             | (3) # 2           | LR47         | LR-47SA    | (3) # 3                                                                             | T47          | T-47SA     |
| 1-1/2                                                                             | (3) # 2           | LR57         | LR-57SA    | (3) # 3                                                                             | T57          | T-57SA     |
| 2                                                                                 | (3) # 2           | LR67         | LR-67SA    | (3) # 2                                                                             | T67          | T-67SA     |
| 2-1/2                                                                             | —                 | LR77         | LR-77SA    | (3) 1/0                                                                             | T77          | T-77SA     |
| 3                                                                                 | (3) 250           | LR87         | LR-87SA    | (3) 1/0                                                                             | T87          | T-87SA     |
| 3-1/2                                                                             | (3) 350           | LR97         | LR-97SA    | (3) 3/0                                                                             | T97          | T-97SA     |
| 4                                                                                 | (3) 350           | LR107        | LR-107SA   | (3) 3/0                                                                             | T107         | T-107SA    |

| Hub Size<br>(Inches) | Max. Wire<br>Fill | TB                                                                                  |            | Max. Wire<br>Fill | X                                                                                     |            |
|----------------------|-------------------|-------------------------------------------------------------------------------------|------------|-------------------|---------------------------------------------------------------------------------------|------------|
|                      |                   | Grayloy–Iron                                                                        | Aluminum ③ |                   | Grayloy–Iron                                                                          | Aluminum ③ |
|                      |                   |  |            |                   |  |            |
| 1/2                  | ②                 | TB17                                                                                | TB-17SA    | ②                 | X17                                                                                   | X-17SA     |
| 3/4                  | (3) # 6           | TB27                                                                                | TB-27SA    | (3) # 6           | X27                                                                                   | X-27SA     |
| 1                    | (3) # 4           | TB37                                                                                | TB-37SA    | (3) # 4           | X37                                                                                   | X-37SA     |
| 1-1/4                | (3) # 3           | TB47                                                                                | TB-47SA    | (3) # 3           | X47                                                                                   | X-47SA     |
| 1-1/2                | (3) # 2           | TB57                                                                                | TB-57SA    | (3) # 2           | X57                                                                                   | X-57SA     |
| 2                    | (3) # 2           | TB67                                                                                | TB-67SA    | (3) # 2           | X67                                                                                   | X-67SA     |

① Refer to following pages for Wiring Capacity Table.

② All 1/2" Max Wire Fill Calculations per the NEC - Annex C - Table C8.

③ PVC coating available on select aluminum bodies. Add suffix **-PVC** to catalog number.

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## Wedge-Lok™ Clip Covers, Gaskets (Covers furnished with stainless steel screws)

| Body Size(Inches) | Wedge-Lok<br>Cast Cover                                                           |          | Wedge-Lok<br>Stamped Cover                                                        |            | Solid Neoprene<br>Gasket                                                            |
|-------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
|                   | Grayloy-Iron                                                                      | Aluminum | Steel                                                                             | Aluminum ① |                                                                                     |
|                   |  |          |  |            |  |
| 1/2               | 170F                                                                              | 170F-SA  | 170                                                                               | 170-SA     | GASK571                                                                             |
| 3/4               | 270F                                                                              | 270F-SA  | 270                                                                               | 270-SA     | GASK572                                                                             |
| 1                 | 370F                                                                              | 370F-SA  | 370                                                                               | 370-SA     | GASK573                                                                             |
| 1-1/4             | 470F                                                                              | 470F-SA  | 470                                                                               | 470-SA     | GASK574                                                                             |
| 1-1/2             | 570F                                                                              | 570F-SA  | 570                                                                               | 570-SA     | GASK575                                                                             |
| 2                 | 670F                                                                              | 670F-SA  | 670                                                                               | 670-SA     | GASK576                                                                             |
| 2-1/2             | 870F                                                                              | 870F-SA  | 870                                                                               | 870-SA     | GASK578                                                                             |
| 3                 | 870F                                                                              | 870F-SA  | 870                                                                               | 870-SA     | GASK578                                                                             |
| 3-1/2             | 970F                                                                              | 970F-SA  | 970                                                                               | 970-SA     | GASK579                                                                             |
| 4                 | 970F                                                                              | 970F-SA  | 970                                                                               | 970-SA     | GASK579                                                                             |

① PVC coating available on select aluminum covers. Add suffix **-PVC** to catalog number.