Form 35® Malleable Iron Unilet® Conduit Outlet Bodies

Threaded Type for use with Rigid Metal Conduit and IMC;
Compression Type for use with Threadless Rigid Metal Conduit.

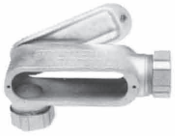
Appleton Form 35® Threaded Type Conduit Bodies NOTE: Refer to page A-16 for Wiring Capacity Tables

Hub Size (in.)	C 	E 	LB 	LL 	LR 
1/2	C50-M	E50-M	LB50-M	LL50-M	LR50-M
3/4	C75-M	E75-M	LB75-M	LL75-M	LR75-M
1	C100-M	E100-M	LB100-M	LL100-M	LR100-M
1-1/4	C125-M◊	E125-M	LB125-M◊	LL125-M	LR125-M
1-1/2	C150-M◊	E150-M	LB150-M◊	LL150-M	LR150-M
2	C200-M◊	—	LB200-M◊	LL200-M	LR200-M
2-1/2	C250-M◊	—	LB250-M◊	LL250-M	LR250-M
3	C300-M◊	—	LB300-M◊	LL300-M	LR300-M
3-1/2	C350-M◊	—	LB350-M◊	LL350-M	LR350-M
4	C400-M◊	—	LB400-M◊	LL400-M	LR400-M
5	—	—	LB500-M	—	—
6	—	—	LB600-M	—	—

Hub Size (in.)	LRL* 	T 	TA 	TB 	X 
1/2	LRL50-M	T50-M	TA50-M	TB50-M	X50-M
3/4	LRL75-M	T75-M	TA75-M	TB75-M	X75-M
1	LRL100-M	T100-M	TA100-M	TB100-M	X100-M
1-1/4	LRL125-M	T125-M	—	TB125-M	X125-M
1-1/2	LRL150-M	T150-M	—	TB150-M	X150-M
2	LRL200-M	T200-M	—	TB200-M	X200-M
2-1/2	—	T250-M	—	—	—
3	—	T300-M	—	—	—
3-1/2	—	T350-M	—	—	—
4	—	T400-M	—	—	—

*LRL Unilets have double opening and are furnished with one steel cover, assembled.
◊ Catalog numbers having patented roller feature, all others do not.

Compression Type—For use with Threadless Rigid Metal Conduit

Hub Size (in.)	LB 	LRL* 	T 
1/2	LB50N-M	LRL50N-M	T50N-M
3/4	LB75N-M	LRL75N-M	T75N-M
1	LB100N-M	LRL100N-M	T100N-M

Back Style for Form 35 Unilet conduit body sizes (inches)

Unilet Body	Flat Back	Round Back
C, LB	1/2 - 2	2-1/2 and up
E	1/2 - 1-1/2	1-1/4 and up
LL, LR, T	1/2 - 2	2-1/2 and up
TB	1-1/4, 1-1/2	1/2, 3/4, 1, 2
X	1/2 - 1	1-1/4 and up

All TA Unilets are round back design.
All Compression Type are flatback design.

A

Unilet® Conduit Outlet Bodies: FM7™, FM8®, Form 35® and Form 85™

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

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: Unilet® conduit outlet bodies

- Roomy interiors: more wiring space.
- Smooth, rounded integral bushings in hubs protect conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and excellent ground continuity.

Features: FM7™ Series

❶ FM7 Grayloy™-Iron Unilets: most economical conduit bodies for use where the special advantages of malleable iron or aluminum are not required.

❷ FM7 Aluminum Unilets: same dimensions and design features as FM7 Grayloy™-Iron, plus light weight, high corrosion resistance.

- Unique Wedge-Lok™ clip covers allow easy removal. No retapping of corroded body screw holes is necessary to replace cover.
- 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.
- FM7 Grayloy™-Iron with "FG" Series cast covers and gaskets are approved for use in wet locations.
- Smooth hub bushings and cover openings protect conductor insulation. Smooth hub openings allow easy conduit joining.

FM7

❶ FM7 Grayloy™-iron, 1" Type C shown with cut-away body and cover to illustrate Wedge-Lok™ Clip Cover detail.

❷ FM7 Aluminum Conduit Body with Cast Aluminum Cover. 1" Type C shown.

❸ FM8 Grayloy™-iron Conduit Body with cast cover, 1" Type C shown.

❹ Form 35 Malleable. 2" Type LB with rollers shown.

❺ Form 85 Aluminum Conduit Body with Stamped Aluminum Cover. 2" Type C shown.

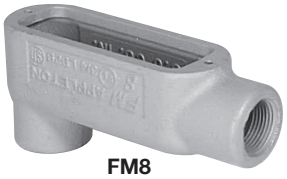
- Pan-head cover screws secure cover clips and provide superior screwdriver seating and torque. Cover screws and clips are captive to prevent loss.
- Hub size, body style, and compliance data molded into body in large, easy-to-read form. Also maximum wire number/size and cubic capacity.

Features: FM8® Series

❸ Completely interchangeable with Crouse-Hinds Form 8* bodies, gaskets and covers. Equivalent FM8 and Form 8* units have identical applications and installation dimensions.

- Flat back design provides greater cubic content for easier wire pulling and more room for splicing.
- FM8 Grayloy™-iron with "FG" Series cast covers and gaskets are approved for use in wet locations.
- Stainless steel screws on stamped and cast covers.
- Smooth hub bushings and cover openings protect conductor insulation. Smooth hub openings allow easy conduit joining.

*Form 7 and Form 8 are products of Crouse-Hinds, a member company of Cooper Industries.



FM8

Effective September, 2005

Appleton®

800-621-1506
www.appletonelec.com

Unilet® Conduit Outlet Bodies: FM7™, FM8®, Form 35® and Form 85™

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

Features: Form 35®

❹Form 35 malleable iron Unilets: high tensile strength and ductility. High corrosion-resistance, high impact and shock resistance.

- Exclusive built-in easy-pulling rollers in type C (1-1/4" thru 4") and type LB (1-1/4" thru 4")– eliminate damage when cable is pulled through hubs.
- Sizes with flat-back design ideal where fitting is mounted flat against surface.
- Complete line of conduit bodies, covers and receptacles.
- Blank covers domed for extra wiring space.

Form 35

Form 35

Features: Form 85™

❺Form 85 aluminum Unilets: copper-free aluminum (max. 4/10 of 1% copper content). Lightweight, high corrosion resistance. Self-oxidizing, self-renewing.

- Lightweight aluminum facilitates shipping, handling and installing.
- Sizes with flat-back design ideal where fitting is mounted flat against surface.
- Complete line of conduit bodies, covers and receptacles.
- Blank covers domed for extra wiring space.

Form 85

Standard Materials

- *Form 35 Unilet conduit outlet bodies:* malleable iron.
- *Form 85 Unilet conduit outlet bodies:* aluminum– copper-free (max. 4/10 of 1%). 1/2" thru 2"– pressure cast. 2-1/2" thru 4"– sand cast.
- *FM7 Unilet conduit bodies:* Grayloy-iron or copper-free aluminum.
- *FM8 Unilet conduit bodies:* Grayloy-iron.
- *Covers for Form 35 and 85:* blank– malleable iron, steel and aluminum. Duplex grounding receptacle– phenolic. Lamp receptacle– porcelain. Wiring device and switch covers– aluminum. Cover screws: stainless steel.
- *Covers for FM7:* stamped steel, stamped aluminum, cast Grayloy-iron, and cast aluminum; cover screws: stainless steel.
- *Covers for FM8:* cast Grayloy-iron, stamped steel; cover screws: stainless steel.
- *Gaskets for Form 35 and Form 85:* neoprene or composition fiber.
- *Gaskets for FM7 and FM8:* neoprene.

Standard Finishes

- *Form 35 malleable iron bodies:* triplecoat– (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.
- *Form 35 Covers:* steel: zinc electroplate. Malleable iron: triple-coat– (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.
- *Form 85 aluminum bodies:* epoxy powder coat.
- *Form 85 stamped aluminum covers:* natural finish.
- *Form 85 cast aluminum covers:* epoxy powder coat.
- *FM7 and FM8 Grayloy-iron bodies:* triplecoat– (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.
- *FM7 aluminum bodies:* epoxy powder coat.
- *FM7 and FM8 steel covers:* zinc electroplate.
- *FM7 stamped aluminum covers:* natural finish.
- *FM7 and FM8 Grayloy-iron covers:* triplecoat– (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.
- *FM7 cast aluminum covers:* epoxy powder coat.

Compliances

- UL Standard 514A.
- Federal Spec. W-C-586B.
- Suitable for classified location use in Class I, Division 2 areas, if installed in compliance with NEC 501-4(b).
- Appleton malleable iron products conform to ASTM A47-77, Grade 32510, which has the following properties: tensile strength, 50,000 psi; yield, 32,000 psi; and elongation, 10%.
- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.
- Appleton Grayloy-iron products are a gray iron alloy with tensile strength similar to ASTM-A48 Class 30A (30,000 psi tensile), and with a Brinell hardness of approximately 180BH.

Product Cross Reference

- For explosionproof conduit outlet bodies and boxes, see Cat. Section J.
- For Mogul Unilets®, see pages A-17 through A-24.