

## "PG" and "ISO" Metric Thread Liquidtight Insulated Connectors for Liquidtight Flexible Metal Conduit

### Applications

- Provides a dependable connection for liquidtight flexible metal conduit.

### Features

- Unique long ferrule with more pronounced threads provides over four times UL pull-out requirements. The ferrule also provides maximum surface contact for better sealing and a continuous, permanent, positive metal-to-metal ground.
- Insulated throat protects against wire damage.
- Liquidtight/raintight/oiltight.
- Suitable for wet locations.
- Full, machined metric threads.
- Compact design with small turning radius.

### Standard Materials

- 3/8" to 1" (straight): steel.
- 1-1/4" to 2" (straight) and 3/8" to 2" (45° and 90°): malleable iron.
- Ferrule: (3/8" to 1") steel; (1-1/4" to 2") aluminum.
- Insulators: Nylon.

### Standard Finishes

- Steel-zinc electroplate.
- Malleable iron—zinc electroplate, dichromate and epoxy powder coat.

### Size Range

- 3/8" thru 2" conduit size.

### Compliances

- UL Standard 514B, File No. E14814. CSA File No. 65178.
- "PG" Metric Thread—German industry Std. DIN 40430.



Steel 3/8"-1"  
Malleable Iron 1-1/4"-2"



Malleable Iron 3/8"-2"  
3/8"-1" with Steel Caps

Catalog Number	Flexible Conduit Size (In.)	Metric Thread	Catalog Number	Flexible Conduit Size (In.)	Metric Thread
<b>"PG" Metric Thread</b>					
<b>Straight-</b>					
PG 3811-STB	3/8	11.0	ISO 3816-STB	3/8	16.0
PG 3813-STB	3/8	13.5	ISO 5020-STB	1/2	20.0
PG 50-STB	1/2	16.0	ISO 7525-STB	3/4	25.0
PG 75-STB	3/4	21.0	ISO 10032-STB	1	32.0
PG 100-STB	1	29.0			
PG 125-STB	1-1/4	36.0			
PG 150-STB	1-1/2	42.0			
PG 200-STB	2	48.0			
<b>45°</b>					
PG45 3811-STB	3/8	11.0	ISO45 3816-STB	3/8	16.0
PG45 3813-STB	3/8	13.5	ISO45 5020-STB	1/2	20.0
PG45 50-STB	1/2	16.0	ISO45 7525-STB	3/4	25.0
PG45 75-STB	3/4	21.0	ISO45 10032-STB	1	32.0
PG45 100-STB	1	29.0			
PG45 125-STB	1-1/4	36.0			
PG45 150-STB	1-1/2	42.0			
PG45 200-STB	2	48.0			
<b>90°</b>					
PG90 3811-STB	3/8	11.0	ISO90 3816-STB	3/8	16.0
PG90 3813-STB	3/8	13.5	ISO90 5020-STB	1/2	20.0
PG90 50-STB	1/2	16.0	ISO90 7525-STB	3/4	25.0
PG90 75-STB	3/4	21.0	ISO90 10032-STB	1	32.0
PG90 100-STB	1	29.0			
PG90 125-STB	1-1/4	36.0			
PG90 150-STB	1-1/2	42.0			
PG90 200-STB	2	48.0			

## Liquidtight Connectors and Hubs for Liquidtight Flexible Metal Conduit

General Information and special features.

### Applications

- Seal out oil, water, dirt, dust and fumes wherever liquidtight flexible metal conduit is used.
- Typical applications include food processors, beverage plants, chemical plants, dairies, machine shops, plastic fabricators, petroleum machinery, and gantry cranes.

### ST and STB Series

For connections to threaded hubs. Insulated throat on STB protects conductors. Connectors are available with grounding lugs. Straight sizes 3/8" thru 5"; 45° and 90°, 3/8" thru 4". Straight and 90° styles in sizes 3/8" thru 2" also available with certain metric thread sizes. See page I-49.

### STN Space-Saving Connectors for Enclosures

Appleton STN Series makes liquidtight connections to sheet metal enclosures. Space-saving, self-locking gasketed wedge forms a perfect seal and allows more wiring room. Straight sizes 3/8" thru 4"; 90° sizes 3/8" thru 1".

### STG Neoprene Sealing Gasket Assembly

Steel backed, neoprene gasket assembly assures a liquidtight connection to a rough metal surface such as knock-outs in steel junction boxes. Sizes 1/2" thru 4" feature bonded gasket/retainer assembly. 1/4 and 3/8 available in thermoplastic material.

### Female Steel ST Connectors

For liquidtight connections to threaded rigid metal conduit. Sizes 3/8" thru 1".

### Features

- **Extra-long ferrule resists pull-outs.** All Appleton liquidtight fittings feature a one-piece, deep-grip ferrule design that simplifies installation and prevents conduit sleeving. Its extra length and sharply defined threads provide greater surface contact with the conduit for excellent grounding continuity, greater pull-out strength (4X UL requirements)...and added protection against excessive external conduit flexing and vibration. It virtually eliminates the need for an external strain relief in many applications.



• **External grounding lugs available on all Appleton liquidtight connectors.** Where National Electrical Code permits an external equipment bonding jumper, [NEC sections 250-96(b), 501-16(b) and 502-16(b)], Appleton ST and STB connectors are offered with an integral bonded steel zinc electroplated lug. Cut-away view shows extended ferrule design for maximum grounding effectiveness. Grounding lugs also available in STN, STL and Female ST Series. Consult factory.

• **Wire mesh strain relief available on all STB, STN, and female ST connectors.** Woven stainless steel mesh sleeve alleviates flexing stress at liquidtight connection.