

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings

### Specifications—Flexible Cord and Cables

#### Ref. CEC Section 4 (Conductors)

The Canadian Electrical Code, Flexible Cords are known by their trade names “Hard Service Cord,” “Junior Hard Service Cord” and “Vacuum Cleaner Cord.”

Depending on jacket material, flexible cords listed are suitable for use where immersed in water or where occasionally or continuously in contact with oil or immersed in oil, or outdoors and in mobil-homes and recreational vehicles.

Flexible cord is permitted by Code for use in portable appliances or stationary equipment requiring movement for service and repair and for wiring in cranes, hoists and elevators. Flexible cord is also permitted to be used to prevent transmission of noise or vibration.

Flexible cord is not permitted as a substitute for fixed wiring of structures or where concealed behind building walls, ceilings or floors. Running flexible cord through holes in walls, ceilings, floors or through doorways, windows or similar openings is also prohibited.

CEC Section 4 requires that flexible cords be so connected to devices and to fittings that tension is not transmitted to joints or terminal screws. Use of suitable strain relief fittings designed for the purpose is one of the recommended alternatives.

Please refer to the following for further details and complete information:

1. U.L. 62, ANSI C33.1...Safety Standard for Flexible Cord and Fixture Wire
2. U.L. 514B, Safety Standard for Outlet Boxes and Fittings
3. CEC Section 4...Conductors
  - 4.010...Uses of Flexible Cord
  - 4.038...Uses of Portable Power Cable
  - 12-010 (4)...Flexible Cords in Ducts and Plenum Chambers
  - 22-108 (2)...Bonding conductor for Flexible Cords for Portable Equipment

- Portable Stage Equipment
- 50-016...Flexible Cord for Attachment Plugs and Similar Wiring Devices
- 70-108...Power Supply Cord-Factory-Built Relocatable Structures and Non-relocatable Structures
- 76-002...Temporary Wiring
- 76-010...Feeders
- 78-058 (2)...Marinas and Yacht Clubs
- 78-104 (2)...Marine Wharves, Structures, and Fishing Harbours
- 4. CSA C22.2 No. 49...Safety Standards for Flexible Cords and Cables and Fixture Wires
- 5. CSA C22.2 No. 18...Safety Standards for Outlet Boxes, Conduit Boxes and Fittings

Following is a brief description of the three cords.

44-350 (1) (b)...Flexible Cords for

	Hard Service Cord	Junior Hard Service Cord	Vacuum Cleaner Cord
<b>1. Use</b>	Extra Hard Pendant, Portable	Hard Pendant, Portable	Light Pendant, Portable
<b>2. Voltage Rating</b>	Up to 600 volts	Up to 300 volts	Up to 300 volts
<b>3. Conductor Material</b>	Copper (Stranded)	Copper (Stranded)	Copper (Stranded)
<b>4. Type Designation (Depends on Jacket Material)</b>			
i. Rubber Jacket	Type S	Type SJ	Type SV
ii. Oil Resistant Rubber Jacket	Type SO	Type SJO	Type SVO
iii. Thermoplastic Jacket	Type ST	Type SJT	Type SVT
iv. Oil Resistant Thermoplastic Jacket	Type STO	Type SJTO	Type SVTO

#### Please Note

The excerpts and other material herein, whether relating to the Canadian Electrical Code 2009 Part I, the Underwriters Laboratories, Inc. listing, to industry practice or otherwise, is not intended to provide all relevant information required for use and installation. Reference to original or primary source material and data is mandatory before any application or use is made of the product.

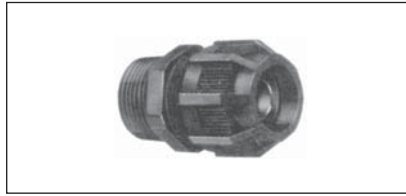
# T&B Conduit Fittings

## Flexible Cord and Cable Fittings

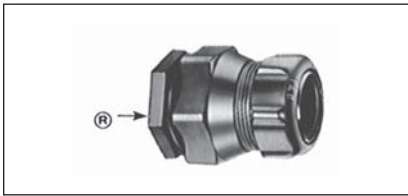
### Suggested Specifications for Flexible Cord and Cable Fittings



**2520 and 2530 Series  
Liquidtight Flexible  
Cord & Cable Fittings**



**2920NM Series  
Nonmetallic Liquidtight  
Flexible Cord & Cable Fittings  
The Ranger™ Series**



**2631 Series  
Liquidtight Flexible  
Cord & Cable Fittings**



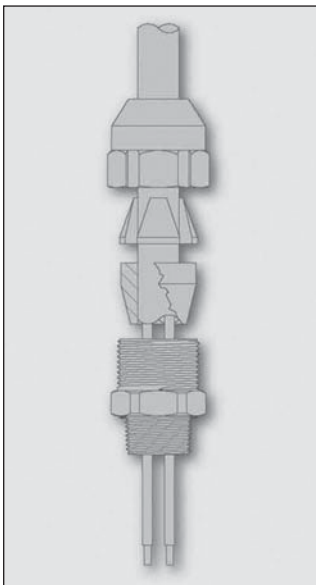
**2920AL Series  
Aluminum Liquidtight  
Flexible Cord & Cable Fittings  
The Ranger™ Series**



**2672 Series  
Flexible Cord Fittings  
(Plastic)**



**2920S Series  
Steel Liquidtight  
Flexible Cord & Cable Fittings  
The Ranger™ Series**



**TCF Series  
Aluminum Tray/Cord Fitting**



**2920SST Series  
Stainless Steel Liquidtight  
Flexible Cord & Cable Fittings**

- Flexible cord or cable and associated fittings shall be suitable for conditions of use and location and approved for the purpose by a nationally recognized testing laboratory, inspection agency or product evaluation organization.
- Flexible cord or cable shall be so connected to the device or fitting that tension will not be transmitted to joints or terminal screws. Sufficient slack shall be provided to avoid sharp flexing and straining. Cord or cable shall be installed in such a manner that liquid will tend to run off the surface instead of draining towards the fitting.
- Where flexible cord or cable exposed to intermittent or constant moisture and subjected to mechanical strain is terminated into a threaded or threadless opening, terminating fittings shall be of watertight strain relief type such as Thomas & Betts series 2920, 2920AL, 2920NM, 2520, 2631 or 2672. Fittings shall be equipped with a beveled moisture resistant/oil resistant synthetic rubber bushing.
- Where space is limited inside the enclosure, a female hub type fitting such as Thomas & Betts series 2631 shall be furnished. A captive resilient sealing 'O' ring shall be included to positively protect against damage from overtorquing.

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings

### Suggested Specifications for Flexible Cord and Cable Fittings—continued



**Series 3300**  
**Nonmetallic Sheathed**  
**Cable & Flexible Cord**  
**Fitting**



**Series 3210**  
**Knockout Bushings**



**Series 1942**  
**Insulated Nipple**



**Series 5262**  
**Sealing Gasket**

- Where flexible cord or cable exposed to moisture is terminated into a threadless opening using male threaded hub type fittings such as Thomas & Betts series 2520 or 2920, a suitable moisture resistant/oil resistant synthetic rubber gasket such as Thomas & Betts series 5262 shall be provided between the outside of box or enclosure and fitting shoulder. Resilient gasket shall be adequately protected by and permanently bonded to a metallic retainer.
- Where exposed to environmental conditions that are more than normally corrosive, watertight strain relief fittings shall be of high impact thermoplastic construction such as Thomas & Betts series 2672 or 2920NM.
- Where flexible cord or cable passes through either factory or field punched, cut or drilled holes in metal members, the cord or cable shall be protected by thermoplastic bushing such as Thomas & Betts series 3210, 3300. Bushing shall be firmly secured in opening. Nylon bushed metallic fittings such as Thomas & Betts series 1942 may be substituted as required.
- For wet location, fittings furnished with synthetic rubber bushing such as Thomas & Betts series 2530 or 2672 shall be installed.

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings



### How to Select T&B Flexible Cord Fittings

**Step 1.**

Determine Diameter Range in chart by using cord size and type or by measuring the diameter of your cord.

**Step 2.**

Determine catalogue number by choosing the hub size and type (straight or 90°) for the diameter range determined by step 1.

This chart can be used as a guide for selecting the proper fitting for the U.L. Listed and CSA Certified cords. Cords vary in sizes and cord diameter should be measured whenever possible.

Cat. No.		Hub Size	Diameter Range	SV, SVO, SVT, SVTO		
Straight	90°			Cord Sizes		
2671	2680	3/8	.125-.275	18-2, 18-3		
Cat. No.		Hub Size	Diameter Range	S, SO, ST, STO		SJO, SJT, SJTO, SJ
Straight	90°			Cord Sizes		
2920NM	4960NM	1/2	.125-.375	18-2, 18-3*		18-2, 18-3, 18-4, 16-2,
2930NM	4970NM	3/4				16-3, 16-4*, 14-2, 14-3*
2921NM	4961NM	1/2				18-3, 18-4, 18-5, 18-6, 18-7*
2931NM	4971NM	3/4	.310-.560	18-3, 18-4*, 18-5, 16-2*		16-3, 16-4, 16-5, 16-6*, 14-2,
2940NM	—	1				14-3, 14-4, 12-2, 12-3, 12-4, 10-2
2922NM	—	1/2		16-5, 16-6, 14-2, 14-3, 14-4,		
2932NM	4972NM	3/4	.500-.750	14-5, 12-2, 12-3, 12-4, 12-5,		12-4, 10-2, 10-3, 10-4
2941NM	—	1		10-2, 10-3, 10-4, 8-2		
2942NM	—	1	.700-.950	10-4, 10-5, 8-3, 8-4		
—	2688	1	.560-.690	14-3*, 14-4, 14-5*, 12-2, 12-3,		10-2*, 10-3, 10-4
				12-4*, 10-2, 10-3*		
—	2685	1	.660-.780	14-5, 12-4*, 12-5, 10-3*, 10-4		10-4
2696	—	3/4	.770-.895	10-5, 8-2, 8-3*		
—	2686	1				
2678	2687	1	.870-1.020	8-3*, 8-4*		
2699	—	1	.890-1.090	8-4, 8-5*, 6-2, 6-3*, 6-4*, 4-2*		
2702	—	1-1/4				
2703	—	1-1/4		4-2*, 4-3, 2-2*		
2704	—	1-1/4	1.270-1.470	4-4, 2-2*		
2705	—	1-1/2	.890-1.150	8-4, 8-5, 6-2, 6-3, 6-4*, 4-2*		
2706	—	1-1/2	1.140-1.400	6-5, 6-4*, 4-2*, 4-3, 4-4*,		2-2, 2-3*
2707	—	1-1/2	1.390-1.650	4-4*, 2-3*, 2-4		
2708	—	2	1.190-1.530	6-5, 4-2*, 4-3, 4-4, 2-2, 2-3,		2-4*
2709	—	2	1.520-1.860	2-4*		
2710	—	2	1.850-2.190			

\* Actual cord diameter must be determined before proper fitting can be selected. Measure cord, if available, or refer to cord manufacturer's catalogue.

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## Flexible Cord and Cable Fittings

### Flexible Cord and Power Cable Chart

Type of Cord	AWG Size of Conductors	Number of Conductors and Approximate O.D. (in.)		
		2 Conductor	3 Conductor	4 Conductor
<b>SV, SVO, SVT</b>	18	.250	.260	—
<b>SJ, SJO, SJT, SJTO</b>	18	.300	.330	.360
	16	.330	.360	.390
	14	.375	.395	.420
<b>S, SO, ST, STO, and Portable Power Cables</b>	18	.385	.400	.430
	16	.400	.425	.480
	14	.530	.560	.605
	12	.600	.635	.665
	10	.640	.690	.745
	8	.700-.840	.750-.910	.820-.990
	6	.820-.930	.885-1.010	.975-1.100
	4	1.080	1.170	1.270
	3	1.170	1.240	1.340
	2	1.270	1.340	1.480
	1	1.440	1.510	1.680
	1/0	1.520	1.650	1.790
	2/0	1.650	1.750	1.930
	3/0	1.770	1.890	2.070
	4/0	1.920	2.070	2.260
	250	2.160	2.390	—
	14	—	—	.410
	12	—	—	.450
	10	—	—	.530
<b>Bus Drop Cables</b>	8	—	—	.670
	6	—	—	.850
	4	—	—	.950
	2	—	—	1.000

Note: The above dimensions are approximate and may vary depending upon the manufacturer.

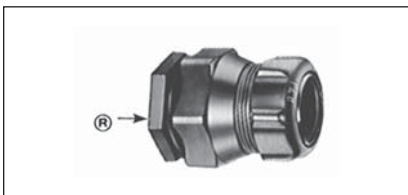
# T&B Conduit Fittings

## Flexible Cord and cable Fittings

### Specifications—Liquidtight Flexible Cord and Cable Fittings



2520 Series



2631 Series

#### Application

- A liquidtight fittings to connect flexible cord or power cable to a box or enclosure and provide adequate strain relief.

#### Features

- Liquidtight connection with box or enclosure is assured by:
  - (1) Taper threaded hub on 2520 series for female hub application (A).
  - (2) Using sealing ring series 5262 with 2520 series for knockout application (B).
  - (3) Captivated sealing 'O' ring on 2631 series (C).
- Neoprene bushing makes liquidtight installation; applies pressure against cable the full length of bushing (D).
- Thermoplastic or stainless steel retaining ring (E).
  - (1) Will not abrade cord/cable jacket.
  - (2) Reduces installing torque effort.
- U.L. Listed for liquidtightness, strain relief and as an outlet bushing; CSA certified watertight.

#### Standard Material

Gland, Body	Steel/Malleable Iron/Zinc Die Cast
Retaining Ring	Thermoplastic/ Stainless Steel
Bushing	Neoprene
'O' Ring	Buna N

#### Standard Finish

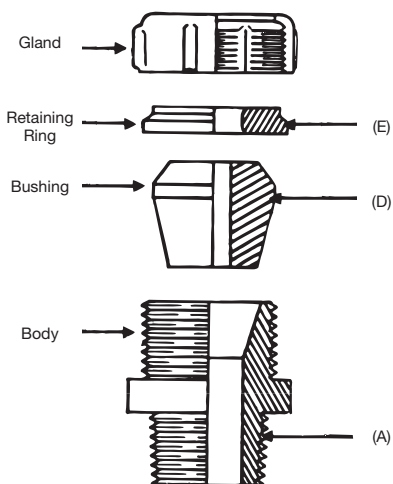
Electro Zinc Plated & Chromate Coated

#### Range

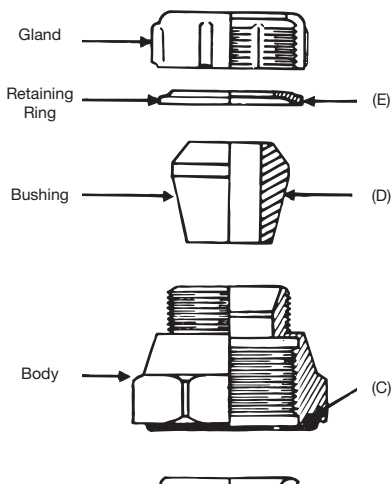
- 2520 Series, straight  
0.125" outside diameter to 3.200" outside diameter Cord or Cable
- 2200 Series, 45°  
0.125" outside diameter to 1.485" outside diameter Cord or Cable
- 2267 Series, 90°  
0.125" outside diameter to 1.875" outside diameter Cord or Cable  
Cord/Cable Type S, SO, SV, ST, STO, SJ, SJO, SJT, SJTO, SVO & SVT

#### Conformity

U.L. 514B  
CSA C22.2 No. 18.3  
NFPA 70-2008 (ANSI)



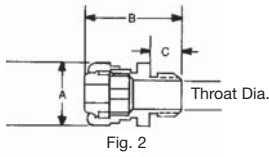
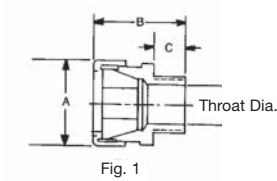
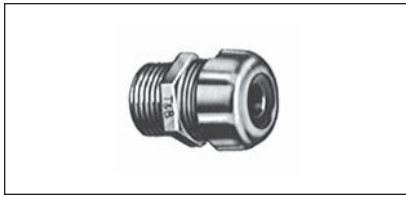
2520 Series



2631 Series

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings



### Liquidtight Strain Relief Fittings

Cat. No.	Cable Size Range min.-max.	Hub Size	Throat Dia. (min.)	Fig.	Dimensions (in.)		
					A	B	C
2516†	(.060-.125)	1/4"	23/64"	2	53/64	1-7/16	15/32
2517†	(.120-.250)	1/4"	23/64"	2	53/64	1-7/16	15/32
2518†	(.060-.150)	3/8"	29/64"	2	31/32	1-1/2	15/32
2519**	(.150-.300)	3/8"	29/64"	2	31/32	1-1/2	15/32
2520	(.125-.250)	1/2"	9/16"	1	1-5/32	1-11/16	5/8
2521	(.250-.375)	1/2"	9/16"	1	1-5/32	1-11/16	5/8
2522	(.375-.500)	1/2"	9/16"	1	1-5/32	1-11/16	5/8
2523	(.450-.560)	1/2"	9/16"	1	1-5/32	1-11/16	5/8
2524*	(.500-.625)	1/2"	5/8"	1	1-3/8	1-3/4	5/8
2525*	(.625-.750)	1/2"	5/8"	1	1-3/8	1-3/4	5/8
2530	(.125-.250)	3/4"	13/16"	1	1-3/8	1-3/4	9/16
2531	(.250-.375)	3/4"	13/16"	1	1-3/8	1-3/4	9/16
2532	(.375-.500)	3/4"	13/16"	1	1-3/8	1-3/4	9/16
2534	(.500-.625)	3/4"	13/16"	1	1-3/8	1-3/4	9/16
2535	(.625-.750)	3/4"	13/16"	1	1-3/8	1-3/4	9/16
2536*	(.750-.880)	3/4"	3/4"	1	1-11/16	1-15/16	5/8
2541	(.250-.375)	1"	49/64"	1	1-3/8	1-23/32	9/16
2542	(.375-.500)	1"	49/64"	1	1-3/8	1-23/32	9/16
2544	(.500-.625)	1"	49/64"	1	1-3/8	1-23/32	9/16
2545	(.625-.750)	1"	49/64"	1	1-3/8	1-23/32	9/16
2546	(.750-.875)	1"	63/64"	1	1-11/16	1-7/8	23/32
2547	(.875-.985)	1"	63/64"	1	1-11/16	1-7/8	9/16
2548*	(.880-1.065)	1"	29/32"	1	2-3/32	2-3/8	25/32
2549*	(1.065-1.205)	1"	29/32"	1	2-3/32	2-3/8	25/32
2558	(.880-1.065)	1-1/4"	1-17/64"	1	2-3/32	2-5/32	13/16
2559	(1.065-1.205)	1-1/4"	1-17/64"	1	2-3/32	2-5/32	13/16
2556*	(1.187-1.375)	1-1/4"	1-1/4"	1	2-11/32	2-1/2	13/16
2557*	(1.375-1.485)	1-1/4"	1-1/4"	1	2-11/32	2-1/2	13/16
2562	(.812-1.000)	1-1/2"	1-7/16"	1	2-11/32	2-1/2	11/16
2563	(1.000-1.187)	1-1/2"	1-7/16"	1	2-11/32	2-7/16	11/16
2564	(1.187-1.375)	1-1/2"	1-7/16"	1	2-11/32	2-7/16	11/16
2565*	(1.375-1.625)	1-1/2"	1-29/64"	1	2-13/16	2-5/8	13/16
2573	(1.125-1.375)	2"	1-7/8"	1	2-13/16	2-5/8	13/16
2574	(1.375-1.625)	2"	1-7/8"	1	2-13/16	2-5/8	11/16
2575	(1.625-1.875)	2"	1-7/8"	1	2-13/16	2-5/8	11/16
2576*	(1.750-1.965)	2"	1-29/32"	1	3-7/32	3-1/2	27/32
2577*	(1.937-2.187)	2"	1-29/32"	1	3-7/32	3-1/2	27/32
2584	(1.750-1.965)	2-1/2"	2"	1	3-7/32	3-3/4	1-1/32
2585*	(1.937-2.187)	2-1/2"	2"	1	3-7/32	3-3/4	1-1/32
2586*	(2.156-2.360)	2-1/2"	2-5/32"	1	3-15/16	4-1/4	1-1/32
2587*	(2.350-2.565)	2-1/2"	2-5/32"	1	3-15/16	4-1/4	1-1/32
2592	(2.156-2.360)	3"	2-13/32"	1	3-15/16	4-1/4	1-1/32
2593	(2.350-2.565)	3"	2-13/32"	1	3-15/16	4-1/4	1-1/32
2594	(2.535-2.750)	3"	2-13/32"	1	3-15/16	4-1/4	1-1/32
2595*	(2.735-2.985)	3"	2-13/16"	1	4-11/16	4-13/16	1-1/8
2596*	(2.970-3.220)	3"	2-13/16"	1	4-11/16	4-13/16	1-1/8

\* Remove sufficient outer covering of cable to permit conductors to pass thru fitting body.

† U.L. not applicable.

\*\* Not CSA Certified.

Complies with JIC standards.

U.L. Listed as liquidtight strain relief, and outlet bushing. CSA certified watertight when used with 5262 Series Sealing Ring Gasket (Sold separately).

Temperature rating: 105°C.

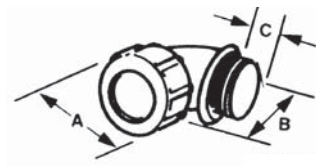
For Wiremesh Grips refer to page 80.



5262 Series Sealing Ring Gasket sold separately

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings



**Swing Radius**  
90° with neoprene bushings, tapered hub threads, malleable iron.

### Strain Relief Fittings

Cat. No.	Cable Size min.-max.	Hub Size	Dimensions (in.)			Throat Dia.
			A	B	C	
<b>2267</b>	(.125-.250)	1/2"	1-5/32	1-23/32	5/8	19/32
<b>2268</b>	(.250-.375)	1/2"	1-5/32	1-23/32	5/8	19/32
<b>2269</b>	(.375-.500)	1/2"	1-5/32	1-23/32	5/8	19/32
<b>2270</b>	(.450-.560)	1/2"	1-5/32	1-23/32	5/8	19/32
<b>2250*</b>	(.500-.625)	1/2"	1-3/8	1-11/16	9/16	39/64
<b>2251*</b>	(.625-.750)	1/2"	1-3/8	1-11/16	9/16	39/64
<b>2252</b>	(.125-.250)	3/4"	1-3/8	1-3/4	41/64	25/32
<b>2271</b>	(.250-.375)	3/4"	1-3/8	1-5/8	41/64	25/32
<b>2272</b>	(.375-.500)	3/4"	1-3/8	1-5/8	41/64	25/32
<b>2273</b>	(.500-.625)	3/4"	1-3/8	1-5/8	41/64	25/32
<b>2274*</b>	(.620-.750)	3/4"	1-3/8	1-5/8	41/64	25/32
<b>2253*</b>	(.750-.880)	3/4"	1-11/16	1-31/32	9/16	25/32
<b>2254</b>	(.375-.500)	1"	1-3/8	2	13/16	1
<b>2255</b>	(.500-.625)	1"	1-3/8	2	13/16	1
<b>2256*</b>	(.625-.750)	1"	1-3/8	2	13/16	1
<b>2275</b>	(.750-.875)	1"	1-11/16	2	13/16	1
<b>2276</b>	(.875-.985)	1"	1-11/16	2	13/16	1
<b>2257*</b>	(.880-1.065)	1"	2-3/32	2-21/32	25/32	15/16
<b>2258*</b>	(1.065-1.205)	1"	2-3/32	2-21/32	25/32	15/16
<b>2277</b>	(.880-1.065)	1-1/4"	2-3/32	2-7/8	27/32	1-5/16
<b>2278</b>	(1.065-1.205)	1-1/4"	2-3/32	2-7/8	27/32	1-5/16
<b>2279*</b>	(1.187-1.375)	1-1/4"	2-11/32	2-13/16	13/16	1-11/32
<b>2280*</b>	(1.375-1.485)	1-1/4"	2-11/32	2-13/16	13/16	1-11/32
<b>2281</b>	(.812-1.000)	1-1/2"	2-11/32	2-7/8	13/16	1-15/32
<b>2282</b>	(1.000-1.187)	1-1/2"	2-11/32	2-7/8	13/16	1-15/32
<b>2283*</b>	(1.187-1.375)	1-1/2"	2-11/32	2-7/8	13/16	1-15/32
<b>2284</b>	(1.125-1.375)	2"	2-13/16	3-1/4	27/32	1-31/32
<b>2285</b>	(1.375-1.625)	2"	2-13/16	3-1/4	27/32	1-31/32
<b>2286</b>	(1.625-1.875)	2"	2-13/16	3-1/4	27/32	1-31/32

\* Remove sufficient outer covering of cable to permit conductors to pass through fitting body.

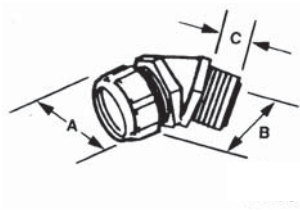
Complies with J.I.C. standards and Federal Specs W-F-406B, W-F-408B.

Meets Coast Guard CG293

For Wiremesh Grips refer to page 80.

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings



**Swing Radius**  
45° with neoprene bushings, tapered hub threads, malleable iron.

### Strain Relief Fittings

Cat. No.	Cable Size min.-max.	Hub Size	Dimensions (in.)			Throat Dia.
			A	B	C	
<b>2200</b>	(.125-.250)	1/2"	1-5/32	1-9/32	9/16	37/64
<b>2201</b>	(.250-.375)	1/2"	1-5/32	1-9/32	9/16	37/64
<b>2202</b>	(.375-.500)	1/2"	1-5/32	1-9/32	9/16	37/64
<b>2203</b>	(.450-.560)	1/2"	1-5/32	1-9/32	9/16	37/64
<b>2204*</b>	(.500-.625)	1/2"	1-3/8	1-13/32	9/16	37/64
<b>2205*</b>	(.625-.750)	1/2"	1-3/8	1-13/32	9/16	37/64
<b>2206-TB</b>	(.125-.250)	3/4"	1-3/8	1-13/32	5/8	25/32
<b>2207-TB</b>	(.250-.375)	3/4"	1-3/8	1-13/32	5/8	25/32
<b>2208-TB</b>	(.375-.500)	3/4"	1-3/8	1-13/32	5/8	25/32
<b>2209</b>	(.500-.625)	3/4"	1-3/8	1-13/32	5/8	25/32
<b>2210</b>	(.625-.750)	3/4"	1-3/8	1-13/32	5/8	25/32
<b>2211*</b>	(.750-.880)	3/4"	1-11/16	1-1/2	1-1/2	3/4
<b>2213</b>	(.375-.500)	1"	1-3/8	1-1/2	25/32	15/16
<b>2214</b>	(.500-.625)	1"	1-3/8	1-1/2	25/32	15/16
<b>2215</b>	(.625-.750)	1"	1-3/8	1-1/2	25/32	15/16
<b>2216</b>	(.750-.875)	1"	1-11/16	1-15/32	25/32	15/16
<b>2217*</b>	(.875-.985)	1"	1-11/16	1-15/32	25/32	15/16
<b>2218*</b>	(.880-1.065)	1"	2-3/32	1-31/32	25/32	15/16
<b>2219*</b>	(1.065-1.205)	1"	2-3/32	1-31/32	25/32	15/16
<b>2220-TB*</b>	(.880-1.065)	1-1/4"	2-3/32	1-29/32	13/16	1-5/16
<b>2221*</b>	(1.065-1.205)	1-1/4"	2-3/32	1-29/32	13/16	1-5/16
<b>2222*</b>	(1.187-1.375)	1-1/4"	2-11/32	2-1/4	13/16	1-21/64
<b>2223*</b>	(1.375-1.485)	1-1/4"	2-11/32	2-1/4	13/16	1-21/64

\* Remove sufficient outer covering of cable to permit conductors to pass through fitting body.

U.L. Listed as liquidtight strain relief, and outlet bushing.

CSA certified watertight.

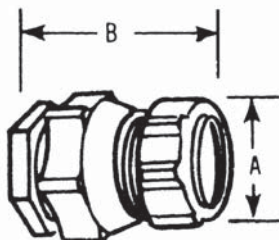
For Wiremesh Grips refer to page 80.

# T&B Conduit Fittings

## Flexible Cord and Cable fittings



### CHASE® Liquidtight Cord Fittings

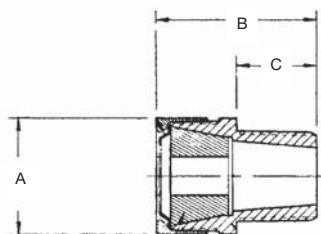


Cat. No.	Cable Size Range min.-max.	Hub Size	Throat Diam.	Dimensions (in.)	
				A	B
<b>2631</b>	(.125-.250)	1/2"	9/16"	1-1/16	1-5/8
<b>2632</b>	(.250-.375)	1/2"	9/16"	1-1/16	1-5/8
<b>2633</b>	(.375-.500)	1/2"	9/16"	1-1/16	1-5/8
<b>2634</b>	(.450-.560)	1/2"	9/16"	1-1/16	1-5/8
<b>2637</b>	(.125-.250)	3/4"	25/32"	1-3/8	1-3/16
<b>2638</b>	(.250-.375)	3/4"	25/32"	1-3/8	1-3/16
<b>2639</b>	(.375-.500)	3/4"	25/32"	1-3/8	1-3/16
<b>2640</b>	(.500-.625)	3/4"	25/32"	1-3/8	1-3/16
<b>2641</b>	(.625-.750)	3/4"	25/32"	1-3/8	1-3/16

CSA certified watertight.U.L. Listed as liquidtight strain relief, and outlet bushing.

Temperature Rating: 105°C.

Chase Liquidtight Cord Fittings are ideal for installation where space is limited inside the enclosure.



### Multi-Hole Cord Grip

Cat. No.	Hub Size	No. of Diam.	Cord Diam.	Dimensions (in.)		
				A	B	C
<b>2520-2</b>	1/2"	2	.220	1.125	1.687	.625
<b>2530-2</b>	3/4"	2	.220	1.375	1.750	.625
<b>2531-2</b>	3/4"	2	.260	1.375	1.750	.625
<b>2531-3</b>	3/4"	3	.260	1.375	1.750	.625
<b>2541-2*</b>	1"	2	.300	1.625	1.718	.781
<b>2542-2*</b>	1"	2	.375	1.625	1.718	.781
<b>2540-3</b>	1"	3	.225	1.625	1.718	.781
<b>2541-3</b>	1"	3	.300	1.625	1.718	.781
<b>2540-4</b>	1"	4	.220	1.625	1.718	.781
<b>2555-2</b>	1-1/4"	2	.500	2.093	2.375	.812

Range of cord diameter  $\pm .010$ ".

In many applications you have only room for one fitting but you need to run two cables, for example, proximity switches. Now you can provide strain relief and liquidtight protection with T&B's new multi-hole liquidtight strain relief fittings. With the ever increasing number of signal cables, now you have a solution to the problem of how to strain relieve multiple cables in one fitting.

\*UL Listed only

Temperature Rating: 105°C.

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings

### The Ranger® Series—Liquidtight Strain Relief Fittings

The only fitting to take a .250 inch cable range.

New materials and computer aided designs helped T&B develop a strain relief fitting that will take twice the cable range of ordinary strain relief fittings.

#### Features

- Extended range with superior strain relief.
- Reduced overall size, fits into tighter spaces.
- Gland nut designed to restrict cable bending.

#### Application

A liquidtight fitting to secure flexible cord or power cable to a box or enclosure and provide strain relief.

#### Range

	Series	Hub Size
.125" thru .950"	2920S	1/2 thru 1"
	4920	1/2 thru 1"
	4960	1/2 thru 1"
	2920AL	1/2 thru 1"
	4960AL	1/2 thru 1"
	2920NM	1/2 thru 1"
.125 thru .750"	4960NM	1/2 thru 3/4"

### Standard Material/Finish

	2920S Series 4920 Series 4960 Series	2920NM Series 4960NM Series	2920AL Series 4960AL Series
<b>Body</b>	Steel (ST) 45° & 90° (Malleable Iron)	Nylon (Weather Stabilized)	Aluminum (ST) Malleable Iron (90°)
<b>Gland</b>	Steel	Nylon (Weather Stabilized)	Aluminum
<b>Grip</b>	Plastic	Nylon (Weather Stabilized)	Aluminum
<b>Bushing</b>	Santoprene	Oil Resistant Elastomer	Aluminum

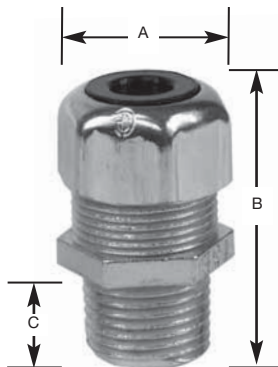


### Liquidtight Strain Relief Fittings—Straight



Cat. No.	Hub Size	Throat Dia.	Cord Range min.-max.	Dimensions (in.)		
				A	B	C
2920S	1/2	9/16	.125-.375	1-1/8	1-3/4	5/8
2921S	1/2	9/16	.310-.560	1-1/8	1-3/4	5/8
2922S*	1/2	9/16	.500-.750	1-3/8	1-3/4	5/8
2930S	3/4	13/16	.125-.375	1-3/8	1-25/32	3/4
2931S	3/4	13/16	.310-.560	1-3/8	1-25/32	3/4
2932S	3/4	13/16	.500-.750	1-3/8	1-25/32	3/4
2940S	1	1-1/16	.310-.560	1-3/8	1-3/4	1-3/16
2941S	1	1-1/16	.500-.750	1-3/8	1-3/4	1-3/16
2942S	1	31/32	.700-.950	1-5/8	1-7/8	1-3/16

\*It may be necessary to remove sufficient outer covering of cable to permit conductors to pass through the fitting body.



### Liquidtight Strain Relief Fittings

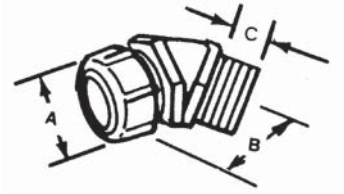


Cat. No.	Hub Size	Throat Dia.	Color Range min.-max.	Dimensions (in.)		
				A	B	M
2920	1/2	9/16	.125-.375	1-1/8	1-3/4	5/8
2921	1/2	9/16	.310-.560	1-1/8	1-3/4	5/8
2922	1/2	9/16	.500-.750	1-3/8	1-3/4	5/8
2930	3/4	13/16	.125-.375	1-3/8	1-25/32	3/4
2931	3/4	13/16	.310-.560	1-3/8	1-25/32	3/4
2932	3/4	13/16	.500-.750	1-3/8	1-25/32	3/4
2940	1	1-1/16	.310-.560	1-3/8	1-3/4	1-3/16
2941	1	1-1/16	.500-.750	1-3/8	1-3/4	1-3/16
2942	1	31/32	.700-.950	1-5/8	1-7/8	1-3/16

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings

### The Ranger® Series



#### Liquidtight Strain Relief Fittings—45° Angle



Cat. No.	Hub Size	Throat Dia.	Cord Range	Dimensions (in.)		
				A	B	C
4920	1/2	37/64	.125-.375	1-1/8	1-5/16	9/16
4921	1/2	37/64	.310-.560	1-1/8	1-5/16	9/16
4922	1/2	37/64	.500-.750	1-3/8	1-7/16	9/16
4932	3/4	25/32	.500-.750	1-3/8	1-7/16	5/8
4933	3/4	25/32	.700-.950	1-5/8	1-17/32	1-1/2



Swing Radius

#### Liquidtight Strain Relief Fittings—90° Angle



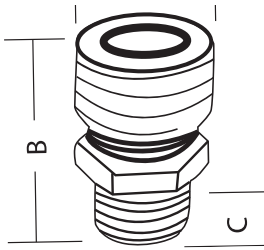
Cat. No.	Hub Size	Throat Dia.	Cord Range	Dimensions (in.)		
				A	B	C
4960	1/2	19/32	.125-.375	1-1/8	1-3/4	5/8
4961	1/2	19/32	.310-.560	1-1/8	1-3/4	5/8
4962	1/2	19/32	.500-.750	1-3/8	1-24/64	5/8
4970	3/4	25/32	.125-.375	1-3/8	1-25/32	11/16
4971	3/4	25/32	.310-.560	1-3/8	1-25/32	11/16
4972	3/4	25/32	.500-.750	1-3/8	1-25/32	11/16

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings



Body and gland nut are aluminum.

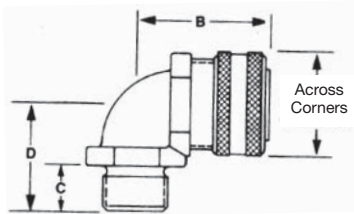


### Aluminum Liquidtight Strain Relief Fittings— Straight



Cat. No.	Hub Size	Throat Diam.	Cord Range	Dimensions (in.)		
				A	B	C
2920AL	1/2	9/16	.125-.375	1-1/8	1-3/4	5/8
2921AL	1/2	9/16	.310-.560	1-1/8	1-3/4	5/8
2922AL*	1/2	9/16	.500-.750	1-5/16	1-3/4	5/8
2930AL	3/4	13/16	.125-.375	1-5/16	1-25/32	3/8
2931AL	3/4	13/16	.310-.560	1-5/16	1-25/32	3/4
2932AL	3/4	13/16	.500-.750	1-5/16	1-25/32	3/4
2940AL	1	1-1/16	.310-.560	1-5/16	1-3/4	1-1/16
2941AL	1	1-1/16	.500-.750	1-5/16	1-3/4	1-1/16
2942AL	1	31/32	.700-.950	1-9/16	1-7/8	31/32

\* It may be necessary to remove sufficient outer covering of cable to permit conductors to pass through fitting body.



Body: malleable iron  
Gland Nut: aluminum

### Aluminum Liquidtight Strain Relief Fittings— 90° Elbow



Cat. No.	Trade or Hub Size	Throat Diam.	Cord Range	Dimensions (in.)			
				A	B	C	D
4960AL	1/2	9/16	.125-.375	1-1/8	1-3/4	5/8	1-5/16
4961AL	1/2	9/16	.360-.560	1-1/8	1-3/4	5/8	1-5/16
4962AL*	1/2	9/16	.500-.750	1-5/16	1-23/64	5/8	1-3/8
4970AL	3/4	25/32	.125-.375	1-5/16	1-25/32	11/16	1-15/32
4971AL	3/4	25/32	.310-.560	1-5/16	1-25/32	11/16	1-15/32
4972AL	3/4	25/32	.500-.750	1-5/16	1-25/32	11/16	1-15/32
4980AL	1	15/16	.310-.560	1-5/16	2-1/32	13/16	1-3/4
4981AL	1	15/16	.500-.750	1-5/16	2-1/32	13/16	1-3/4
4982AL	1	15/16	.700-.950	1-9/16	2-11/16	13/16	2

\* It may be necessary to remove sufficient outer covering of cable to permit conductors to pass through fitting body.

# T&B Conduit Fittings

## T&B Ranger® Stainless Steel Liquidtight Cord Fittings



**NEW!**

Food Processing

Pharmaceutical Processing

Pulp & Paper Mills

Wastewater Treatment

Saltwater Applications

Petrochemical Refining

Beveled Rubber Bushing Ensures Superior Compression and Sealing



### Type 304 Stainless Steel Construction for Your Harshest Environments!

Until now, there has been no ideal solution for liquidtight connections of portable cord to a box or enclosure in corrosive environments. Steel fittings rust and non-metallic fittings cannot withstand high temperatures or ultraviolet exposure.

In response to customer demand, Thomas & Betts has developed the latest addition to its high-performance line of T&B Ranger® Cord Fittings. Made of Type 304 stainless steel, T&B Ranger® Stainless Steel Liquidtight Cord Fittings stand up to highly corrosive environments – such as washdown areas in food and beverage or pharmaceutical processing – as well as high temperatures and UV exposure.

Like all T&B Ranger® Liquidtight Cord Fittings, the new stainless steel fittings offer twice the cord diameter range of similar fittings, so you can do more with fewer sizes to order and stock. They form a non-slip mechanical grip, providing a liquidtight seal and the strain relief required for flexible portable cord connections.

#### Also available in other materials to meet all your cord-fitting needs!

- 2920 Series steel/malleable iron in straight, 45° and 90°
- 2920AL Series aluminum in straight and 90°
- 2920NM Series non-metallic in straight and 90°



- Each fitting covers a 0.25" cord diameter range – twice that of ordinary strain relief fittings
- Superior corrosion resistance in washdown areas and other corrosive environments
- Stands up to heat and UV exposure better than non-metallic fittings
- Beveled, moisture and oil resistant synthetic rubber bushing system ensures superior compression and sealing of fitting to cord
- Bushing marked with cord range for easy identification out of box



### T&B Stainless Steel Cord Fittings – 1/4" - 3/8" Hub Sizes

Catalogue Number	Hub Size (in.)	Cord Dia. Range (in.)	Dimensions (in.)		
			A	B	C
2918SST	1/4	0.118 - 0.256	1.000	0.250	0.625
2919SST	3/8	0.157 - 0.315	1.313	0.438	0.750



### T&B Stainless Steel Cord Fittings – 1/2" - 1" Hub Sizes

Catalogue Number	Hub Size (in.)	Cord Dia. Range (in.)	Dimensions (in.)		
			A	B	C
2920SST	1/2	0.125 - 0.375	1.935	0.610	1.125
2921SST	1/2	0.310 - 0.560	1.935	0.610	1.125
2922SST	1/2	0.500 - 0.750	2.003	0.610	1.125
2930SST	3/4	0.125 - 0.375	2.063	0.630	1.125
2931SST	3/4	0.310 - 0.560	2.063	0.630	1.125
2932SST	3/4	0.500 - 0.750	2.063	0.630	1.125
2940SST	1	0.310 - 0.560	2.178	0.785	1.500
2941SST	1	0.500 - 0.750	2.218	0.785	1.500
2942SST	1	0.700 - 0.950	2.218	0.785	1.500

# T&B Conduit Fittings

## Stainless Steel Liquidtight Conduit Connectors



5262 Series  
Sealing Ring Gasket  
sold separately

### The Strength of Steel — with Superior Corrosion-Resistance!

Until now, there's been no ideal conduit fitting solution for use in heavily corrosive environments. Traditional metallic fittings corrode and require frequent replacement. Non-metallic fittings offer less strength, lower UV-resistance, and don't stand up well in extreme temperatures.

T&B Stainless Steel Liquidtight Conduit Connectors are constructed of 304 stainless steel to resist corrosion while offering high strength, high UV-resistance, and high endurance. Choose among a full range of fittings in straight, 45°, and 90° angled configurations for 3/8" to 2" conduit sizes. Look for the distinctive blue insulator and sealing ring for assurance of T&B quality.

- Ideal for industrial MRO and OEM applications in food and beverage, pharmaceutical, petrochemical, waste water, salt water, and other corrosive environments
- Connects metallic-cored liquidtight conduit to a box or enclosure
- 304 stainless steel body and gland-nut resists corrosion far better than other metallic fittings
- Stronger, more UV-resistant than nonmetallic fittings
- Available in straight, 45°, and 90° angled configurations to fit conduit from 3/8" to 2"
- UL® Listed Ratings: 3, 3R, 4, 4X
- 5262 Sealing Ring Gasket (sold separately) includes a stainless steel retaining ring to prevent elongation of the gasket and is made from Santoprene™ material, ensuring a superior seal



### Liquidtight Conduit Connectors

Cat. Number	Size	Dimensions			Std. Pkg. Qty.	UPC Number
		A	B	C		
<b>Straight</b>						
5331SST *	3/8"	1.360"	1.02"	—	25	78621097764
5332SST	1/2"	1.360"	1.18"	—	25	78621084482
5333SST	3/4"	1.388"	1.37"	—	25	78621074480
5334SST	1"	1.562"	1.77"	—	5	78621096334
5335SST	1 1/4"	1.720"	2.12"	—	20	78621097765
5336SST	1 1/2"	2.020"	2.48"	—	5	78621097766
5337SST	2"	2.335"	3.04"	—	2	78621097767
<b>45° Angled</b>						
5341SST *	3/8"	1.84"	1.02"	1.43"	25	78621097775
5342SST	1/2"	1.62"	1.18"	2.04"	25	78621097776
5343SST	3/4"	2.32"	1.37"	1.93"	10	78621097777
5344SST	1"	2.86"	1.77"	2.37"	5	78621097778
5345SST	1 1/4"	3.33"	2.12"	2.80"	5	78621097779
5346SST	1 1/2"	3.94"	2.48"	3.39"	2	78621097780
5347SST	2"	4.73"	3.04"	4.23"	1	78621097781
<b>90° Angled</b>						
5351SST *	3/8"	1.95"	1.02"	1.84"	25	78621097768
5352SST	1/2"	2.12"	1.18"	2.07"	25	78621097769
5353SST	3/4"	2.47"	1.37"	2.44"	10	78621097770
5354SST	1"	2.98"	1.77"	2.90"	5	78621097771
5355SST	1 1/4"	3.53"	2.12"	3.36"	5	78621097772
5356SST	1 1/2"	4.16"	2.48"	3.88"	2	78621097773
5357SST	2"	8.60"	3.04"	4.69"	1	78621097774
<b>Sealing Gasket</b>						
5261	3/8"	—	—	—	50	78621005261
5262	1/2"	—	—	—	50	78621005262
5263	3/4"	—	—	—	25	78621005263
5264	1"	—	—	—	25	78621005264
5265	1 1/4"	—	—	—	5	78621005265
5266	1 1/2"	—	—	—	5	78621005266
5267	2"	—	—	—	5	78621005267

Locknut not included

\* 3/8" conduit fitting has 3/8" hub

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings

### The Ranger® Series — Nylon Cord Grip Fitting

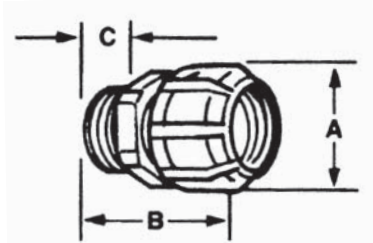


#### A T&B “RANGER” Exclusive

**Smaller shape: 30% smaller envelope**

**Wide range: twice the cable range**

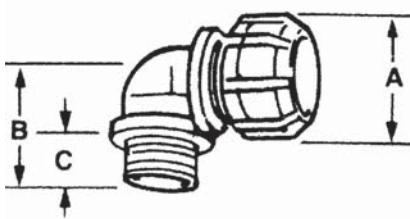
- Reduced size means fittings can be placed closer together.
- Wider range means one fitting can cover twice the cable range of others.
- Nonmetallic means corrosion resistance.



- Weather Stabilized Nylon
- U.L. 94-V2
- Temperature Rating: -34PC to +105PC
- Meets Coast Guard CG293
- New Reduced Size
- Smaller Footprint

### Nonmetallic Liquidtight Strain Relief Fitting—Straight

Cat. No.	Trade or Hub Size	Throat Diam.	Cord Range	Dimensions (in.)		
				A	B	C
2920NM	1/2"	9/16	.125-.375	1-7/32	2-1/8	5/8
2921NM	1/2"	9/16	.310-.560	1-7/32	2-1/8	5/8
2922NM	1/2"	9/16	.500-.750	1-13/32	2-5/32	5/8
2930NM	3/4"	3/4	.125-.375	1-13/32	2-3/16	5/8
2931NM	3/4"	3/4	.310-.560	1-13/32	2-3/16	5/8
2932NM	3/4"	3/4	.500-.750	1-13/32	2-3/16	5/8
2940NM	1"	29/32	.310-.560	1-13/32	2-11/32	25/32
2941NM	1"	29/32	.500-.750	1-13/32	2-11/32	25/32
2942NM	1"	29/32	.700-.950	1-43/64	2-3/8	25/32



90° elbow, new reduced size, smaller footprint.

- Weather Stabilized Nylon
- U.L. 94-V2
- Temperature Rating: -34PC to +105PC
- Meets Coast Guard CG293

### Nonmetallic Liquidtight Strain Relief fitting—90° Elbow



Cat. No.	Trade or Hub Size	Throat Diam.	Cord Range	Dimensions (in.)		
				A	B	C
4960NM	1/2"	9/16	.125-.375	1-7/32	1-1/4	5/8
4961NM	1/2"	9/16	.310-.560	1-7/32	1-1/4	5/8
4970NM	3/4"	3/4	.125-.375	1-13/32	1-3/8	5/8
4971NM	3/4"	3/4	.310-.560	1-13/32	1-3/8	5/8
4972NM	3/4"	3/4	.500-.750	1-13/32	1-3/8	5/8

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings

### Silver Grip™ — TCF™ Series Tray-Cord Fitting



## **One heck of a grip!** **Increased Safety** **for Hazardous Locations**

Introducing the Silver Grip™ Tray-Cord Fitting™ - the safe, yet cost-efficient choice for increased safety when terminating portable cord and tray cable in hazardous locations.

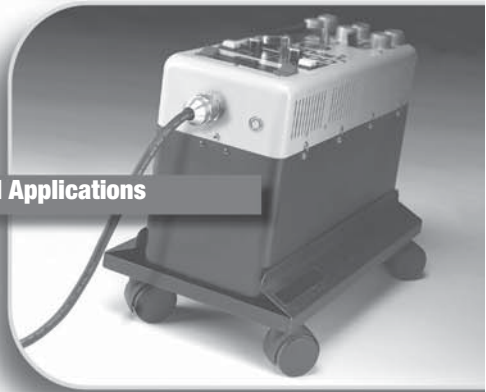
Designed for use in Class I, Gas and Vapour environments, the Silver Grip™ Tray-Cord Fitting™ provides efficient strain relief for cables entering enclosures and raceways, and for cords used on portable equipment.

- **Corrosion-resistant, non-magnetic aluminum construction**
- **Tapered neoprene bushing and O-ring seal out moisture and dirt ingress**
- **Chuck grip provides high mechanical pull-out performance. Exceeds applicable requirements.**
- **Hand-tightens — no tools required**
- **Now available in 316 stainless steel**
- **105°C temperature rating**

### Tray Cable Applications



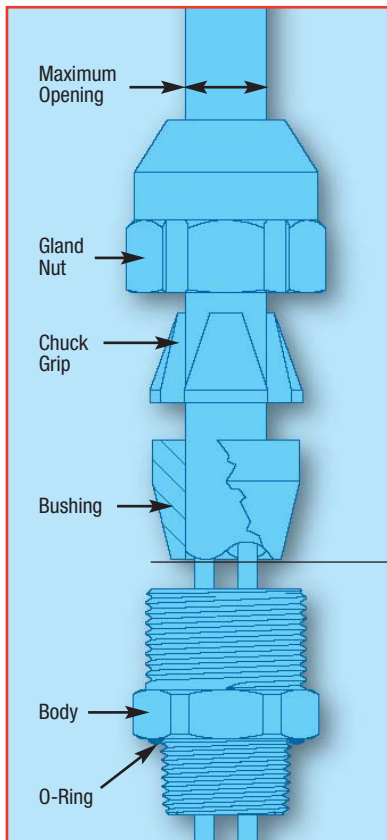
### Portable Cord Applications



# T&B Conduit Fittings

## Silver GRIP®

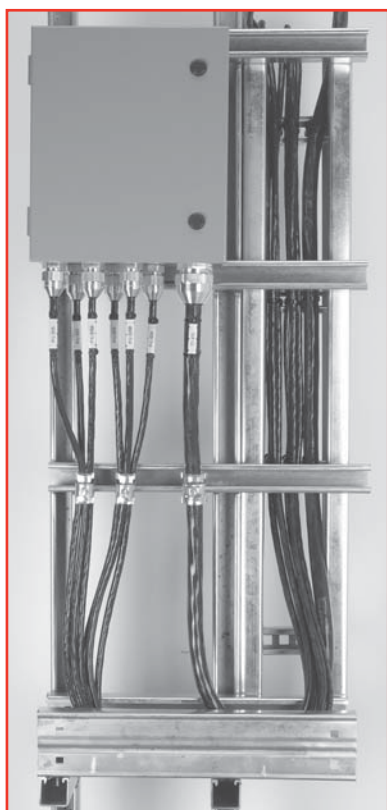
TCF® Series — Tray/Cord Fitting



### Ordering Information

Hub Size NPT	Catalogue Number	Throat Diameter (in.)	Minimum Cable Dia. (in.)	Maximum Opening (in.)
1/2	TCF050-27AL	0.330	0.150	0.270
1/2	TCF050-40AL	0.540	0.250	0.400
1/2	TCF050-54AL	0.540	0.400	0.540
1/2	TCF050-67AL	0.540*	0.540	0.670
1/2	TCF050-78AL	0.540*	0.660	0.780
3/4	TCF075-40AL	0.540	0.250	0.400
3/4	TCF075-54AL	0.540	0.400	0.540
3/4	TCF075-67AL	0.780	0.540	0.670
3/4	TCF075-78AL	0.780	0.660	0.780
3/4	TCF075-88AL	0.765*	0.770	0.880
1	TCF100-78AL	0.980	0.660	0.780
1	TCF100-88AL	0.980	0.770	0.880
1	TCF100-100AL	0.980*	0.870	1.000
1	TCF100-109AL	0.980	0.940	1.090
1-1/4	TCF125-109AL	1.255	0.890	1.090
1-1/4	TCF125-128AL	1.255*	1.080	1.280
1-1/4	TCF125-147AL	1.255*	1.270	1.470
1-1/2	TCF150-115AL	1.470	0.890	1.150
1-1/2	TCF150-140AL	1.470	1.140	1.400
1-1/2	TCF150-165AL	1.470*	1.390	1.650
2	TCF200-153AL	1.896	1.190	1.530
2	TCF200-186AL	1.896	1.520	1.860
2	TCF200-219AL	2.062*	1.850	2.190
2-1/2	TCF250-252AL	2.466*	2.120	2.520
3	TCF300-278AL	2.780	2.380	2.780
3	TCF300-304AL	3.050	2.640	3.040
3	TCF300-330AL	3.068*	2.900	3.300

\* When cord will not fit through body, strip cord jacket and trim fillers if required. Insert cable ensuring the outer jacket reaches the end of the bushing as shown. Tighten gland nut onto body.



### Applications

For stainless steel (316), replace AL for SS6 (up to 1" only)

#### Tray Cable

Complies with IEC requirements for Class I, Zone 2 locations when used with enclosures containing no arcing or sparking devices. For enclosures with arcing or sparking devices, TCF® fittings must be used in combination with a certified Class I hazardous location sealing fitting.

#### Portable Cord

Complies with IEC requirements for Class I, Zone 1 locations when used with enclosures containing no arcing or sparking devices. For enclosures with arcing or sparking devices, TCF® fittings must be used in combination with a certified Class I hazardous location sealing fitting.



- File Number LR4484, Certificate Number 1388229
- CSA Class 4418-05 Fittings for Hazardous Locations Class I, Zone 1 Ex e II, IP66; Type 4/4X, (CSA)
- CSA<sub>US</sub> Class 4418-85 Fittings for Hazardous Locations Class I, Zone 1, A Ex e II, IP66; Type 4/4X, (CSAus)

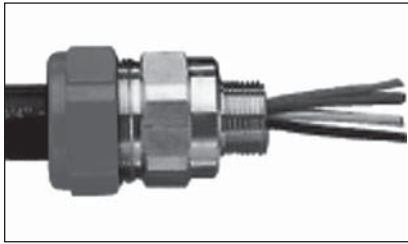
**N.B.:** Tray cable is not suitable for use in Zone 1 locations.  
Portable cord can be used in Zone 1 applications only when installed on portable equipment.

#### Utilisation

- For use with unarmored cable Types suitable for use in Class I, Zone 1 (e.g.) Extra Hard Usage Cord)
- Series TCF Cable Glands, when used with Tray Cables are suitable to be installed in Class I, Zone 2/Div. 2 Classified Hazardous Locations Areas according to CEC/NEC Wiring Method, or subject to Local Inspection Authority having jurisdiction.

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings



**Outside Tray**—tray cable must be protected within conduit and flexible liquidtight metallic conduit. In this case, the connector bushing is simply replaced with a ground cone/sealing ring to terminate the assembly.

The Canadian Electrical Code states that tray cable in hazardous locations can be used either within the cable tray, or outside the tray - provided there is additional protection. The TrayStar™ fitting was designed and engineered for either application and comes complete with the bushing, ground cone and sealing ring for different product applications.

selection for various types of installations. The sealing compounds cure in just a few hours. The TrayStar™ fitting also has disconnect capability: the cable can be disconnected and reconnected after being sealed.

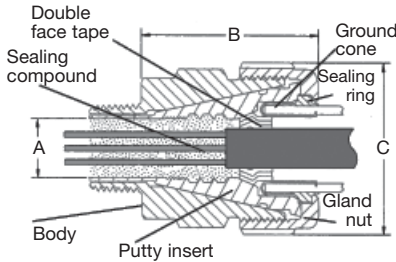
The unique hexagonal gland nut is conveniently grooved for screwdriver installation in extremely cramped areas. The gland nut is also clearly identified with the catalogue number and CSA approvals. It is also anodized an aqua-blue colour to identify it as a Hazardous Location, Tray Cable Fitting.

### Superior Construction

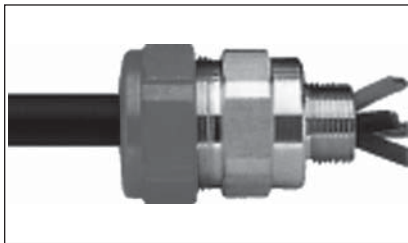
TrayStar™ fittings have a low-profile compact design and are made of copper-free aluminum for long-lasting trouble-free service. Fittings are precision machined for superior fit and ease of installation.

### Ease of Installation

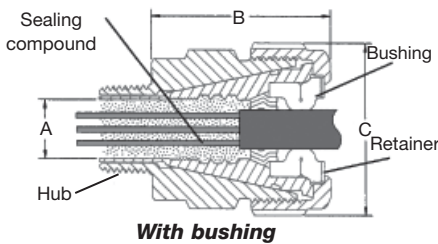
Installation is quick and easy. When used on metallic liquidtight conduit, the fitting hub size correlates with that of the conduit trade size. (i.e. 1/2" fitting accommodates 1/2" conduit). The bushings, when utilized, are designed to accommodate a broad range of tray cable diameters. Either liquid or putty sealing compound can be used for a positive, gastight seal. The compound is ordered separately to allow for flexibility in making the correct



**With conduit**



**Inside Tray**—Used with a neoprene bushing, TrayStar™ terminates tray cable within the tray itself.



**With bushing**



SC4-KIT



SC65

For more details, refer to the installation/Instruction sheet.

## Silver Grip® — Liquidtight Fittings for Tray Cable

Cat. No.	Hub Size N.P.T.	Range Over Jacket (in.)		Conduit Trade Size (in.)	Approx Compound Required*		A Throat Dia. (in.)	B Overall (in.)	C Dim. (in.)
		min.	max.		Putty / Liquid SC65/SC4-KIT cc				
HLT050DATA	1/2	0.250	0.310	1/2	7	0.505	1.870	1.625	
HLT050	1/2	0.300	0.400	1/2	7	0.505	1.870	1.625	
HLT075	3/4	0.320	0.570	3/4	15	0.707	2.140	2.075	
HLT100	1	0.400	0.750	1	23	0.932	2.270	2.290	
HLT125	1-1/4	0.625	1.000	1-1/4	45	1.263	2.750	2.840	
HLT150	1-1/2	0.780	1.200	1-1/2	68	1.493	3.000	3.275	
HLT200	2	1.000	1.560	2	112	1.950	3.200	3.640	
4-250TC	2-1/2	1.700	2.200	2-1/2	175	2.250	3.800	4.000	
4-300TC	3	2.150	2.700	3	359	2.750	3.860	4.690	
4-350TC	3-1/2	2.650	3.230	3-1/2	536	3.280	4.100	5.220	
4-400TC	4	3.180	3.790	4	690	3.840	4.000	5.630	

† Not UL Listed

\* Sealing compound not included with HLT-series. Order separately.

SC65 putty supplied with each TC-series fitting. SC4-Kit liquid sealing compound not approved for use with TC-series. TC-series is suitable for use with tray cable only and cannot be used with conduit.

### Materials

**Aluminum:** The above listed catalogue numbers relate to aluminum fittings.

**Steel:** HLT-series is also available in steel. Add the suffix "S" to the catalogue number (example HLT050S).

### Certifications

**Type HLA, CSA Certified** Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups E, F and G; Class III, Division 2, Enclosure Type 4 SL (integral seal). CSA File 23086.

## Sealing Compounds

Cat. No.	Description	Volume (cubic centimeter)
SC4-KIT	Liquid type sealing compound (includes pouch of sealing compound with integral spout, fiber and damming material).	66 cc
Use SC4-KIT liquid compound for shielded cables.		

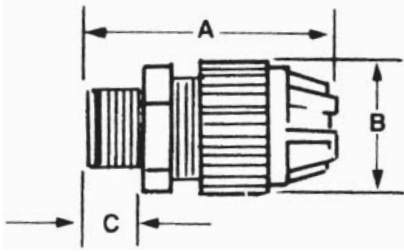
Cat. No.	Description	Volume (cubic centimeter)
SC65	Putty type sealing compound (cut-to-length stick)	34 cc
Suitable for use on cables with a maximum of four conductors (including ground). We do not recommend SC65 for use with shielded cables.		
Quantity of compound required will vary according to cable conductor fill.		
U.L. File No. E-82038 CSA File No. LR-23086		

**Note** - Thomas & Betts hazardous locations fittings with integral seals (STX, STEX, HLT and TC series) are UL and CSA certified **only** when used with SC4-KIT or SC65 sealing compounds. **No other sealing compounds have been tested, certified or listed.**

# T&B Conduit Fittings

## Flexible Cord and Cable Fittings

### Nonmetallic Liquidtight Strain Relief Fitting—Straight

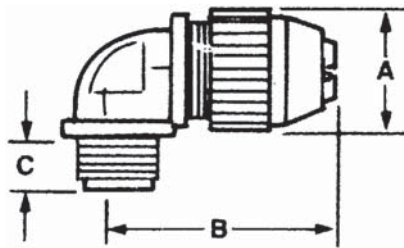


- Weather Stabilized Nylon
- U.L. 94-V2
- Temperature Rating: -34°C to +105°C
- Meets Coast Guard CG293

Cat. No.	Trade or Hub Size	Throat Diam.	Cord Range	Dimensions (in.)		
				A	B	C
2671	3/8"	0.33	.125-.275	2	29/32	15/32
2690	1/2"	0.33	.125-.275	2-4/16	29/32	19/32
2672	1/2"	0.55	.250-.400	2-19/32	19/32	19/32
2673*	1/2"	0.55	.400-.560	2-19/32	19/32	19/32
2691*	1/2"	0.54	.560-.690	3	1-9/10	19/32
2692*	1/2"	0.54	.660-.780	3	1-9/16	19/32
2693	3/4"	0.55	.250-.400	2-11/16	1-9/32	5/8
2694*	3/4"	0.55	.400-.560	2-11/16	1-9/32	5/8
2674	3/4"	0.79	.560-.690	3	1-9/16	5/8
2675	3/4"	0.79	.660-.780	3	1-9/16	5/8
2696*	3/4"	0.76	.770-.895	3-3/16	1-7/8	5/8
2676	1"	0.98	.660-.780	3-5/16	1-7/8	25/32
2677	1"	0.98	.770-.895	3-5/10	1-7/8	25/32
2678*	1"	0.98	.870-1.020	3-5/10	1-7/8	25/32
2699	1"	0.98	.890-1.090	3-3/10	2-19/32	25/32
2702	1-1/4"	1.25	.890-1.090	3-5/16	1-7/8	25/32
2703	1-1/4"	1.25	1.080-1.280	4	2-19/32	13/16
2704	1-1/4"	1.25	1.270-1.470	4	2-19/32	13/16
2705TB	1-1/2"	1.47	.890-1.150	4-3/16	2-31/32	13/16
2706	1-1/2"	1.47	1.140-1.400	4-5/16	2-31/32	13/16
2707	1-1/2"	1.47	1.390-1.650	4-5/16	2-31/32	13/16
2708	2"	1.89	1.190-1.530	5-3/32	3-1/2	27/32
2709	2"	1.89	1.520-1.860	4-29/32	3-1/2	27/32
2710*	2"	1.89	1.850-2.190	4-29/32	3-1/2	27/32

\* Remove sufficient outer covering of cable to permit conductors to pass thru fitting body.

### Nonmetallic Liquidtight Strain Relief Fitting—90° Elbow



90° angle, standard size body.

- Weather Stabilized Nylon
- U.L. 94-V2
- Temperature Rating: -34°C to +105°C
- Meets Coast Guard CG293

Cat. No.	Trade or Hub Size	Throat Diam.	Cord Range	Dimensions (in.)		
				A	B	C
2680	3/8"	.33	.125-.275	.90	1.8	.460
2681	1/2"	.55	.250-.400	1.27	2.5	.610
2682*	1/2"	.55	.400-.560	1.27	2.5	.610
2683	3/4"	.78	.560-.690	1.57	2.8	.610
2684	3/4"	.78	.660-.780	1.57	2.8	.610
2688	1"	.98	.560-.690	1.89	3.0	.770
2685	1"	.98	.660-.780	1.89	3.2	.770
2686	1"	.98	.770-.895	1.89	3.2	.770
2687*	1"	.98	.870-1.020	1.89	3.2	.770

\* Remove sufficient outer covering of cable to permit conductors to pass thru fitting body. 90° angle, standard size body.

# T&B Conduit Fittings

## Portable Cord and Cable Fittings



Wiremesh grips support the following Liquidtight Cord Fittings Series.



### WMG-PC Series Wiremesh Grips for Portable Cord

T&B Wiremesh grips are ordered separately and fit with your existing inventory of Ranger™ fittings and liquidtight strain relief fittings. There's no need to duplicate inventory.

#### Application

- Provides high gripping strength for adequate cable support and strain relief without damage to the cable sheath
- Compression of a tapered neoprene bushing, assures the watertight integrity of the fittings

#### Cord and Cable Type

- S, SO, SV, ST, STD, SJ, SJO, SJT, SJTO, SVD

#### Features

- Prevents severe cord bends and pullouts
- Used in aluminum and/or steel fittings

#### How to select proper wiremesh grip:

1. Determine O.D. of portable cord e.g. .200
2. Determine size of knockout or threaded hub e.g. 1/2"

#### Material

Wiremesh made of stainless steel. Retaining rings made of aluminum.

#### Environment Classification

- Ordinary Locations

#### Range

.187 – 3.220



3. Select Cat. No. of strain relief fitting e.g. 2520, 2920AL.
4. Match up O.D. with grip range and strain relief to determine Cat. No. of Wiremesh Grip (e.g. .200 + 2520 = WMP-PC1)

### Wiremesh Grips for Portable Cord



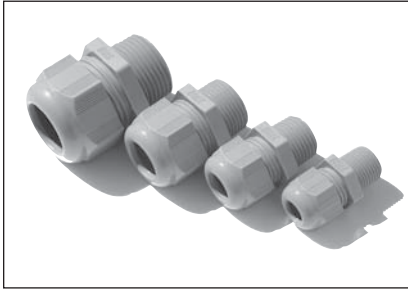
Cat. No.	Grip Range	Strain Relief Fitting							
		Straight		45°			90°		
		Ranger™ Steel	Ranger™ Aluminum	T&B Steel	Ranger™ Malleable Iron	T&B Steel	Ranger™ Malleable Iron	Ranger™ Aluminum	T&B Steel
WMG-PC1	.187-.250	2920S	2920AL	2520	4920	2200	4960	4960AL	2267
WMG-PC2	.250-.375	2920S	2920AL	2521	4920	2201	4960	4960AL	2268
WMG-PC3	.375-.500	2921S	2921AL	2522	4921	2202	4961	4961AL	2269
WMG-PC4	.500-.625	2922S	2922AL	2524	4922	2204	4962	4962AL	2250
		2932S	2932AL	2534	4932	2209	4972	4972AL	2273
		2941S	2941AL	2544	4941	2214	4981	4981AL	2255
WMG-PC5	.625-.750	2922S	2922AL	2525	4922	2205	4962	4962AL	2251
		2932S	2932AL	2535	4932	2210	4972	4972AL	2274
		2941S	2941AL	2545	4941	2215	4981	4981AL	2256
WMG-PC6	.187-.250	2930S	2930AL	2530	4930	2206	4970	4970AL	2252
WMG-PC7	.250-.375	2930S	2930AL	2531	4930	2207	4970	4970AL	2271
				2541					
WMG-PC8	.375-.500	2931S	2931AL	2532	4931	2208	4961	4961AL	2272
		2940S	2940AL	2542	4940	2213	4980	4980AL	2254
WMG-PC9	.750-.875	2942S	2942AL	2536		2211			2253
				2546	4942	2216	4982	4982AL	2275
WMG-PC10	.875-1.000			2547		2217			2276
WMG-PC11	.875-1.000			2548		2218			2257
				2558		2220			2277
				2548		2218			2257
WMG-PC12	1.000-1.125			2558		2220			2277
				2549		2219			2258
				2559		2221			2278
WMG-PC13	1.125-1.250			2549			2258	2258	2219
				2559		2221			2278
				2556			2279	2279	2222
WMG-PC14	1.125-1.250			2563		—			2282
				2564		—			2283
WMG-PC15	1.250-1.375			2256		2222			2279
				2564		—			2283
WMG-PC16*	1.375-1.500			2557		2223			2280
WMG-PC17*	1.125-1.250			2573		—			2284

Cat. No.	Grip Range	Strain Relief Fitting	
		Straight T&B Steel	90° T&B Steel
WMG-PC18*	1.250-1.375	2573	2284
WMG-PC19*	1.375-1.500	2565	2285
		2574	
WMG-PC20*	1.500-1.625	2565	2285
		2574	
WMG-PC21*	1.625-1.750	2575	2286
WMG-PC22*	1.750-1.875	2575	2286

\*Replacement Gland Nut Supplied With These Catalogue Numbers only

# T&B Conduit Fittings

## Portable Cord and Cable Fittings



**Sturdy Nylon 6 for strong, lightweight construction.**  
Gray colour shown, also available in black.

### Nonmetallic Cable Glands—Low Profile for Tight Spots

T&B Nylon Cable Glands have a sturdy cable sealing mechanism which results in superior strain relief. The compact size ensures quick and easy installation in cramped spaces. The nonmetallic construction provides excellent corrosion, chemical and impact resistance. The glands have long threads and locknuts are available.

- Halogen free
- Flame retardant material rated UL 94-V0
- Rated IP 68 5 BAR, suitable for NEMA 4 enclosures
- UL Listed, CSA listed for certain ranges of cable
- Working Temperatures: -30°C (-86°F) to +80°C (176°F) Continuous, 150°C (276°F) Intermittent
- Meets VDE ratings

### Nonmetallic Cable Glands



Cat no.	Hub Size	Colour	Cable Range		Length of Thread		USE T&B Locknut cat. no.	Unit pkg.	Std. pkg.	UPC code
			in.	mm	in.	mm				
<b>NPT Threads</b>										
<b>CC-NPT38-B</b>	3/8"	BLACK	.197 - .394	5-10	0.590	15	<b>CI-1703PL*</b>	50	250	786210-95582
<b>CC-NPT38-G</b>	3/8"	GREY	.197 - .394	5-10	0.590	15	<b>CI-1703PL*</b>	50	250	786210-07817
<b>CC-NPT12-B</b>	1/2"	BLACK	.394 - .551	10-14	0.590	15	<b>LN501</b>	50	250	786210-95583
<b>CC-NPT12-G</b>	1/2"	GREY	.394 - .551	10-14	0.590	15	<b>LN501</b>	50	250	786210-07824
<b>CC-NPT34-B</b>	3/4"	BLACK	.512 - .709	13-18	0.590	15	<b>LN502</b>	25	100	786210-95584
<b>CC-NPT34-G</b>	3/4"	GREY	.512 - .709	13-18	0.590	15	<b>LN502</b>	25	100	786210-07853
<b>CC-NPT1-B</b>	1"	BLACK	.709 - .984	18-25	0.709	18	<b>LN503</b>	20	100	786210-95586
<b>CC-NPT1-G</b>	1"	GREY	.709 - .984	18-25	0.709	18	<b>LN503</b>	20	100	786210-14682
<b>ISO/Metric Threads</b>										
<b>CC-ISO-16-G</b>	M16	GREY	.197 - .394	5-10	0.394	10	<b>LN-ISO16-G</b>	50	250	786210-21170
<b>CC-ISO-20-G</b>	M20	GREY	.236 - .473	6-12	0.590	15	<b>LN-ISO20-G</b>	50	250	786210-21173
<b>CC-ISO-25-B</b>	M25	GREY	.512 - .709	13-18	0.590	15	<b>LN-ISO25-G</b>	25	250	786210-21174
<b>CC-ISO-32-G</b>	M32	GREY	.709 - .984	18-25	0.590	15	<b>LN-ISO32-G</b>	20	250	786210-21175
<b>CC-ISO-40-G</b>	M40	GREY	.748 - 1.10	22-32	0.709	18				
<b>PG Threads</b>										
<b>CC-PG7-G</b>	7	GREY	.118 - .256	3-6.5	0.315	8	<b>LN-PG7-G</b>	50	200	786210-21160
<b>CC-PG9-G</b>	9	GREY	.157 - .315	4-8	0.315	8	<b>LN-PG9-G</b>	50	200	786210-21162
<b>CC-PG11-G</b>	11	GREY	.197 - .394	5-10	0.315	8	<b>LN-PG11-G</b>	25	100	786210-21163
<b>CC-PG135-G</b>	13-1/2	GREY	.236 - .473	6-12	0.354	9	<b>LN-PG135-G</b>	25	100	786210-21164
<b>CC-PG16-G</b>	16	GREY	.394 - .551	10-14	0.394	10	<b>LN-PG16-G</b>	25	100	786210-21165
<b>CC-PG21-G</b>	21	GREY	.512 - .709	13-18	0.433	11	<b>LN-PG21-G</b>	10	50	786210-21166
<b>CC-PG29-G</b>	29	GREY	.709 - .984	18-25	0.433	11	<b>LN-PG29-G</b>	10	50	786210-21167
<b>CC-PG36-G</b>	36	GREY	.867 - 1.26	22-32	0.512	13	<b>LN-PG36-G</b>	10	50	786210-21168

\* Not CSA Certified.

# T&B Conduit Fittings

## Portable Cord and Cable Fittings



Supplied standard with all hoods and bases.  
Special sizes/hood combinations available.

### Metric PG-to-N.P.T. Thread Adapters

Cat. No.	N.P.T. Thread (mating)	Thread (at housing)
PG11-38	3/8"	PG11
PG16-50	1/2"	PG16
PG21-75	3/4"	PG21
PG29-100	1"	PG29
PG29-125	1-1/4"	PG29
PG36-125	1-1/4"	PG36
PG36-150	1-1/2"	PG36



Style may vary depending on size.

### Metric Two-Screw Clamp Fittings

Cat. No.	Cable O.D. (in.)		Thread (at housing)
	Min.	Max.	
CC11-38	.400"	.470"	PG11
CC11-38P*	.250"	.325"	PG11
CC135-50	.400"	.535"	PG13.5
CC16-50	.455"	.625"	PG16
CC21-75	.513"	.815"	PG21
CC29-100	.800"	.175"	PG291
CC36-125	1.050"	.450"	PG361
CC42-150	1.500"	.800"	PG421

\* Plastic



Standard European style—can be specified/  
supplied with hoods and bases.

### Metric Cord Grip Fittings

Cat. No.	Cable O.D. (in.)		Thread (at housing)
	Min.	Max.	
CG11-38	.200"	.470"	PG11
CG11-38P*	.325"	.340"	PG11
CG135-50	.285"	.545"	PG13.5
CG16-50	.285"	.625"	PG16
CG21-75	.395"	.790"	PG21
CG29-100	.780"	.060"	PG291
CG36-125	.960"	.375"	PG361
CG42-150	1.630"	.650"	PG421

\* Plastic



### Conduit Entry Blind Plug

Cat. No.	Thread (at housing)
CXP722	PG13.5
CXP723	PG16
CXP724	PG21
CXP725	PG29
CXP726	PG36
CXP727	PG42