

SIMPLE INSTALLATION. RELIABLE PROTECTION.

 **Appleton**<sup>®</sup>





Aluminum Tray Cable Fitting



Nickel Plated Brass Tray Cable Fitting



Aluminum Fitting with Seal Insert



Nickel Plated Brass Fitting with Seal Insert



Aluminum Tray Cable Fitting

## TRAY CABLE FITTINGS CERTIFIED FOR USE ON IEC AND NEC APPLICATIONS

Appleton tray cable connectors for all types of tray cable

Appleton is proud to offer a broad line of tray cable connectors for use with TC, ITC, PLTC and other types of tray cable. The unique compensating displacement seal provides ingress protection to NEMA 4X and IP68.

Available in aluminum, stainless steel and nickel-plated brass, Appleton tray cable connectors meet the exacting demands of highly caustic or harsh environments, such as food processing, petrochemical, wastewater treatment, pulp and paper or chemical manufacturing facilities.

Appleton tray cable connectors offer a continuous operating temperature range of  $-60^{\circ}\text{C}/-76^{\circ}\text{F}$  to  $110^{\circ}\text{C}/230^{\circ}\text{F}$ . Available in trade sizes  $\frac{1}{2}$ " through 4", they feature a unique seal insert that enables each gland size to terminate the widest cable range available in a single hub size.

## FEATURES

- The unique use of the seal insert enables each hub size to accept a wider range of cable sizes
- Continuous operating temperature: -60°C/-76°F to 110°C/230°F
- Jacket sealing technique: compensating displacement seal, cable outer jacket
- NPT threads standard, metric available as an option. Other options include adaptor/reducer and earth tag
- ½" through 1" connectors ship with aluminum locknut standard. Locknuts for larger sizes must be sourced separately

## MATERIALS AND FINISH

- Connector: copperfree (4/10 of 1% max) aluminum, stainless steel or electroless nickel plated brass in NPT (standard) and metric thread forms

## CERTIFICATIONS AND COMPLIANCES

- ATEX Certification/Code of Protection Category: SIRA09ATEX1092X  
ATEX II 2 GD, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da
- IECEx Approval Number/Code of Protection Category: IECEx SIR 09.0042X  
Exd IIC Gb, Exe IIC Gb, Exta IIIC Da
- cCSAus Certification Number: CSA.09.2220601X

## CLASSIFICATIONS

- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 1 AEx e and Ex e, where permitted by code
- Class II, Division 2, Groups E, F, G
- Class III, Division 2
- NEMA Type 4X
- IP66/67/68



Seal insert accepts wide range of cable sizes.

Compensating displacement seal prevents overtightening.

Entry Thread C		Cable Range Insert (Inches/Millimeters)		Cable Range No Insert (Inches/Millimeters)		Order Reference		
NPT	NPT Option	Min	Max	Min	Max	Aluminium	NP Brass	Stainless Steel
1/2"	—	—	—	0.13/3.3	0.28/7.1	TC050028	TC050028NB	TC050028SS
—	3/4"	—	—	0.13/3.3	0.28/7.1	TC075028	TC075028NB	TC075028SS
1/2"	—	0.26/6.6	0.41/10.4	0.41/10.4	0.55/13.9	TC050055	TC050055NB	TC050055SS
—	3/4"	0.26/6.6	0.41/10.4	0.41/10.4	0.55/13.9	TC075055	TC075055NB	TC075055SS
3/4"	—	0.47/11.9	0.61/15.5	0.61/15.5	0.79/20.1	TC075079	TC075079NB	TC075079SS
—	1"	—	—	—	—	TC100079	TC100079NB	TC100079SS
1"	—	0.67/17.0	0.85/21.6	0.85/21.6	1.04/26.4	TC100104	TC100104NB	TC100104SS
—	1-1/4"	—	—	—	—	TC125104	TC125104NB	TC125104SS
1-1/4"	—	0.92/33.4	1.10/27.9	1.10/27.9	1.27/32.3	TC125127	TC125127NB	TC125127SS
—	1-1/2"	—	—	—	—	TC150127	TC150127NB	TC150127SS
1-1/2"	—	1.22/30.9	1.37/34.8	1.37/34.8	1.50/38.1	TC150150	TC150150NB	TC150150SS
—	2"	—	—	—	—	TC200150	TC200150NB	TC200150SS
2"	—	—	—	1.40/35.6	1.74/44.2	TC200174	TC200174NB	TC200174SS
—	2-1/2"	—	—	—	—	TC250174	TC250174NB	TC250174SS
2"	—	—	—	1.63/41.4	1.97/50.0	TC200197	TC200197NB	TC200197SS
—	2-1/2"	—	—	—	—	TC250197	TC250197NB	TC250197SS
2-1/2"	—	—	—	1.86/47.2	2.20/55.9	TC250220	TC250220NB	TC250220SS
—	3"	—	—	—	—	TC300220	TC300220NB	TC300220SS
2-1/2"	—	—	—	2.13/54.1	2.44/61.9	TC250244	TC250244NB	TC250244SS
—	3"	—	—	—	—	TC300244	TC300244NB	TC300244SS
3"	—	—	—	2.40/60.9	2.68/68.1	TC300268	TC300268NB	TC300268SS
—	3-1/2"	—	—	—	—	TC350268	TC350268NB	TC350268SS
3-1/2"	—	—	—	2.62/66.5	3.15/80.0	TC350315	TC350315NB	TC350315SS
—	4"	—	—	—	—	TC400315	TC400315NB	TC400315SS
4"	—	—	—	2.99/75.9	3.54/89.9	TC400354	TC400354NB	TC400354SS

## OTHER APPLETON PRODUCTS DESIGNED FOR USE WITH THE CABLE TRAY

Appleton TCC single and TCCD double conduit cable tray clamps are used for supporting rigid conduit to the cable tray flange at each location where tray cable exits the tray. The TCGC cable tray grounding conductor clamp is used to ground the rigid conduit to the cable tray. These clamps mount on all types of cable tray (inside, outside or double flange). TCC and TCCD clamps are designed to provide a full 360° swivel, allowing conduit to be positioned at any angle while eliminating the need for separate inside or outside flange clamps and field modification.

Appleton is our premium line of industrial location products under the EGS Electrical Group family of brands.

EGS Electrical Group is a worldwide manufacturer of electrical products for virtually every type of environment. For over 150 years, our brands have been providing a rich tradition of long-term, practical, high quality solutions.

Distributors, contractors, engineers, electricians and site maintenance professionals around the world trust EGS brands to make electrical installations safer, more productive and more reliable.

EGS is organized into three focused businesses that provide distributors and end-users expert knowledge and excellent service.

**Electrical Construction Materials**  
This group manufactures a broad range of electrical products including conduit and cable fittings, plugs and receptacles, enclosures and controls, conduit bodies and industrial lighting. Whether the application is hazardous location, industrial or commercial, the ECM group has the products to meet your needs.

**Power Quality Solutions**  
This group offers the broadest power quality line, including UPS, power conditioners, voltage regulators, shielded transformers, surge suppression devices and power supplies.

**Heating Cable Systems**  
This group offers a broad range of electrical heating cable products for residential, commercial, and industrial applications.

Electrical Construction Materials

 **Appleton**<sup>®</sup>

**OZGEDNEY**

 **Nutsteel**<sup>®</sup>

Power Quality Solutions

**SOLAHD**

Heating Cable Systems

**EASYHEAT**<sup>®</sup>

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