

# TC Cable Connector

## Tray Cable

**NEC/CEC**  
 Class I, Division 2, Groups A, B, C, D  
 Class II, Division 2, Groups E, F, G  
 Class III, Division 2  
 NEMA Type 4X

**ATEX/IECEX:**  
 II 2 GD  
 d IIC Gb  
 e IIC Gb  
 ta IIIC Da

### Applications

- Type TC cable connector is suitable for use with type (TC) tray cable and flex cord in ordinary, wet and hazardous locations including:
  - Class I, Division 2, where permitted by code
  - Class I, Zone 1 AEx e and Ex e, where permitted by code
  - Ingress protection to NEMA 4X and IP66/67/68

### Features

- Guarantees code compliance by satisfying the requirements of NEC article 501.10(B)(1)
- The unique use of the seal insert, enables each gland size to terminate the widest range available in a single hub size.
- Continuous operating temperature: -60 °C to 110 °C (-76 °F to 230 °F).
- Jacket sealing technique: compensating displacement seal
- Sealing area(s) — cable outer jacket
- Aluminum connectors 1/2", 3/4" and 1" supplied with zinc plated steel locknut.

### Standard Material/Finish

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

### Options

- Adaptor/reducer, earth tag

### NEC/CEC Certifications and Compliances

- UL Standard: 514B, 2225
- CSA Standard: CSA 22.2 No. 30, CAN/CSA E60079-0, CAN/CSA E60079-7
- cCSAus Certified: 184585

Entry Thread C		Cable Range Insert mm (in) A		Cable Range No Insert mm (in) B		Catalog Number		
NPT	NPT Option	Min	Max	Min	Max	Aluminium	NP Brass	Stainless Steel
1/2	—	—	—	3.3 (0.13)	7.1 (0.28)	TC050028	TC050028NB	TC050028SS
—	3/4	—	—	—	—	TC075028	TC075028NB	TC075028SS
1/2	—	6.6 (0.26)	10.4 (0.41)	10.4 (0.41)	13.9 (0.55)	TC050055	TC050055NB	TC050055SS
—	3/4	—	—	—	—	TC075055	TC075055NB	TC075055SS
3/4	—	11.9 (0.47)	15.5 (0.61)	15.5 (0.61)	20.1 (0.79)	TC075079	TC075079NB	TC075079SS
—	1	—	—	—	—	TC100079	TC100079NB	TC100079SS
1	—	17.0 (0.67)	21.6 (0.85)	21.6 (0.85)	26.4 (1.04)	TC100104	TC100104NB	TC100104SS
—	1-1/4	—	—	—	—	TC125104	TC125104NB	TC125104SS
1-1/4	—	23.4 (0.92)	27.9 (1.10)	27.9 (1.10)	32.3 (1.27)	TC125127	TC125127NB	TC125127SS
—	1-1/2	—	—	—	—	TC150127	TC150127NB	TC150127SS
1-1/2	—	30.9 (1.22)	34.8 (1.37)	34.8 (1.37)	38.1 (1.50)	TC150150	TC150150NB	TC150150SS
—	2	—	—	—	—	TC200150	TC200150NB	TC200150SS
2	—	—	—	35.6 (1.40)	44.2 (1.74)	TC200174	TC200174NB	TC200174SS
—	2-1/2	—	—	—	—	TC250174	TC250174NB	TC250174SS
2	—	—	—	41.4 (1.63)	50.0 (1.97)	TC200197	TC200197NB	TC200197SS
—	2-1/2	—	—	—	—	TC250197	TC250197NB	TC250197SS
2-1/2	—	—	—	47.2 (1.86)	55.9 (2.20)	TC250220	TC250220NB	TC250220SS
—	3	—	—	—	—	TC300220	TC300220NB	TC300220SS
2-1/2	—	—	—	54.1 (2.13)	61.9 (2.44)	TC250244	TC250244NB	TC250244SS
—	3	—	—	—	—	TC300244	TC300244NB	TC300244SS
3	—	—	—	60.9 (2.40)	68.1 (2.68)	TC300268	TC300268NB	TC300268SS
—	3-1/2	—	—	—	—	TC350268	TC350268NB	TC350268SS
3-1/2	—	—	—	66.5 (2.62)	80.0 (3.15)	TC350315	TC350315NB	TC350315SS
—	4	—	—	—	—	TC400315	TC400315NB	TC400315SS
4	—	—	—	75.9 (2.99)	89.9 (3.54)	TC400354	TC400354NB	TC400354SS

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 Class III, Division 2  
 NEMA Type 4X

### ATEX/IECEX:

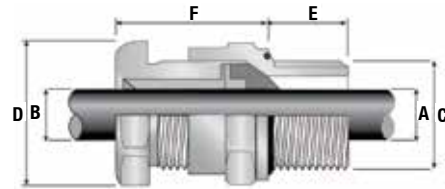
II 2 GD  
 d IIC Gb  
 e IIC Gb  
 ta IIIC Da

### ATEX/IECEX 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



Dimensions in Millimeters (Inches)



Across Flats mm (in) D	Across Corners mm (in) D	Min. Thread Length mm (in) E	Nominal Assembly Length mm (in) F	Approx. Weight Aluminum kg (oz)
30.5 (1.20)	33.0 (1.30)	19.8 (0.78)	20.1 (0.79)	0.06 (1.94)
		20.3 (0.80)		
30.5 (1.20)	33.0 (1.30)	19.8 (0.78)	20.1 (0.79)	0.05 (1.69)
		20.3 (0.80)		
37.6 (1.48)	40.6 (1.60)	20.3 (0.80)	24.9 (0.98)	0.09 (3.17)
		24.9 (0.98)		
45.9 (1.81)	49.5 (1.95)	24.9 (0.98)	24.9 (0.98)	0.11 (3.88)
		25.4 (1.00)		
52.1 (2.05)	56.1 (2.21)	25.4 (1.00)	29.9 (1.18)	0.14 (4.94)
		26.2 (1.03)		
59.9 (2.36)	64.8 (2.55)	26.2 (1.03)	32.0 (1.26)	0.17 (6.00)
		26.9 (1.06)		
74.9 (2.95)	81.0 (3.19)	26.9 (1.06)	32.0 (1.26)	0.25 (8.64)
		39.9 (1.57)		
74.9 (2.95)	81.0 (3.19)	26.9 (1.06)	41.9 (1.65)	0.24 (8.29)
		39.9 (1.57)		
89.9 (3.54)	97.0 (3.82)	39.9 (1.57)	41.9 (1.65)	0.39 (13.58)
		41.4 (1.63)		
89.9 (3.54)	97.0 (3.82)	39.9 (1.57)	42.9 (1.69)	0.39 (13.58)
		41.4 (1.63)		
109.9 (4.33)	118.9 (4.68)	41.4 (1.63)	42.9 (1.69)	0.76 (26.63)
		42.7 (1.68)		
122.9 (4.84)	132.8 (5.23)	42.7 (1.68)	57.9 (2.28)	0.97 (34.22)
		43.9 (1.73)		
133.4 (5.25)	144.0 (5.67)	43.9 (1.73)	57.9 (2.28)	1.08 (38.80)