

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 IIC Da

Applications

- Type TC cable connector is suitable for use with type (TC) tray cable 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

- 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

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

- Design Specification: BS 6121:Part 1989, UL514B, UL2225, CSA 22.2 No. 30, CAN/CSA E60079-0, CAN/CSA E60079-7
- cCSAus Certification Number: CSA.09.2220601X

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 IIC Da
- IECEX Approval Number/Code of Protection Category: IECEX SIR 09.0042X

NEC/CEC CLASS/ZONE AND ATEX/IECEX/NBR IEC ZONE 1 RATED CABLE GLANDS

Fittings

Entry Thread C		Millimeters (Inches)				Order Reference		
		Cable Range Insert – A		Cable Range No Insert – B		Aluminium	NP Brass	Stainless Steel
NPT	NPT Option	Min	Max	Min	Max			
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

TC Cable Connector

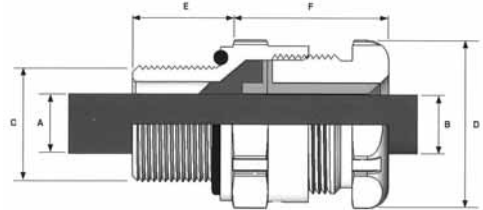
Tray Cable

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 IIC Da



Dimensions in Millimeters (Inches)



Across Flats D	Millimeters (Inches)			Approx. Weight Aluminum g (oz)
	Across Corners D	Min. Thread Length E	Nominal Assembly Length F	
30.5 (1.20)	33.0 (1.30)	19.8 (0.78)	20.1 (0.79)	55.0 (1.94)
		20.3 (0.80)		
30.5 (1.20)	33.0 (1.30)	19.8 (0.78)	20.1 (0.79)	48.0 (1.69)
		20.3 (0.80)		
37.6 (1.48)	40.6 (1.60)	20.3 (0.80)	24.9 (0.98)	90.0 (3.17)
		24.9 (0.98)		
45.9 (1.81)	49.5 (1.95)	24.9 (0.98)	24.9 (0.98)	110.0 (3.88)
		25.4 (1.00)		
52.1 (2.05)	56.1 (2.21)	25.4 (1.00)	29.9 (1.18)	140.0 (4.94)
		26.2 (1.03)		
59.9 (2.36)	64.8 (2.55)	26.2 (1.03)	32.0 (1.26)	170.1 (6.00)
		26.9 (1.06)		
74.9 (2.95)	81.0 (3.19)	26.9 (1.06)	32.0 (1.26)	245.0 (8.64)
		39.9 (1.57)		
74.9 (2.95)	81.0 (3.19)	26.9 (1.06)	41.9 (1.65)	235.0 (8.29)
		39.9 (1.57)		
89.9 (3.54)	97.0 (3.82)	39.9 (1.57)	41.9 (1.65)	385.0 (13.58)
		41.4 (1.63)		
89.9 (3.54)	97.0 (3.82)	39.9 (1.57)	42.9 (1.69)	385.0 (13.58)
		41.4 (1.63)		
109.9 (4.33)	118.9 (4.68)	41.4 (1.63)	42.9 (1.69)	755.0 (26.63)
		42.7 (1.68)		
122.9 (4.84)	132.8 (5.23)	42.7 (1.68)	57.9 (2.28)	970.1 (34.22)
		43.9 (1.73)		
133.4 (5.25)	144.0 (5.67)	43.9 (1.73)	57.9 (2.28)	1100.0 (38.80)

NEC/CEC CLASS/ZONE AND ATEX/IECEX/NBR IEC ZONE 1 RATED CABLE GLANDS

Fittings