

TMC2X Connectors For Jacketed Metal Clad Cable

Explosionproof, Dust-Ignitionproof

For Hazardous Locations.

NEC/CEC:

Class I, Divisions 1 and 2, Groups A, B, C, D
 Class I, Zone 1, AEx d IIC, AEx e II, AEx tA IIC
 Class I, Zone 1, EX e II, Ex tA IIC
 Class II, Division 1 and 2, Groups E, F, G

NEC/CEC:

Class III, Divisions 1 and 2
 NEMA 4X
 IP66

Applications

- TMC2X connectors are designed for use with the following cables:
 - MC/MC-HL
 - Corrugated Interlocked Aluminium/Steel Armor
 - Continuously Welded Armor Cables or TECK
- Provide a means for terminating jacketed type MC cable, forming a mechanical watertight connection and providing ground continuity for cable armor.
- For use on horizontal or vertical runs.

- True 360° grounding.
- Removable cable armor end stop accommodates larger insulated conductors.
- Superior pull out prevention.
- Compact slim profile.
- Widest cable acceptance range.
- Disconnectable design.
- Additional integral deluge proof seal for protection in extreme offshore and onshore environments.
- Continuous operating temperature: -60 °C to +85 °C (-76 °F to +185 °F).

Features

- Simplified two piece design.
- Utilizes RapidEx high speed liquid resin sealing compound included with each gland.
- Independent sealing and armor clamping/ grounding.

Size Ranges

- Trade sizes: 1/2" thru 4".
- Cable Jacket Diameter Range: 0.50" thru 4.25"
- Cable Armor Diameter Range: 0.42" thru 3.94"

Fittings

NEC/CEC TECK CONNECTORS

Cable Gland Size	Entry Thread C		Cable Armor Diameter mm (in) A		Cable Jacket Diameter mm (in) B		Catalog Number		
	NPT	NPT Option	Min	Max	Min	Max	Aluminum	Nickel Plated Brass	Stainless Steel
20S	1/2	-					TMC2X-050075AX	TMC2X-050075NBX	TMC2X-050075SSX
20S	-	3/4	10.7 (0.42)	16.0 (0.63)	12.7 (0.50)	19.1 (0.75)	TMC2X-075075AX	TMC2X-075075NBX	TMC2X-075075SSX
20	3/4	-	15.2 (0.60)	22.6 (0.89)	17.5 (0.69)	25.1 (0.99)	TMC2X-075099AX	TMC2X-075099NBX	TMC2X-075099SSX
20	-	1/2					TMC2X-050099AX	TMC2X-050099NBX	TMC2X-050099SSX
25	1	-	20.1 (0.79)	27.9 (1.10)	22.1 (0.87)	30.0 (1.18)	TMC2X-100118AX	TMC2X-100118NBX	TMC2X-100118SSX
25	-	3/4					TMC2X-075118AX	TMC2X-075118NBX	TMC2X-075118SSX
32	1-1/4	-	23.9 (0.94)	32.5 (1.28)	25.9 (1.02)	34.8 (1.37)	TMC2X-125137AX	TMC2X-125137NBX	TMC2X-125137SSX
32	-	1					TMC2X-100137AX	TMC2X-100137NBX	TMC2X-100137SSX
40S	1-1/2	-	31.0 (1.22)	38.1 (1.50)	33.0 (1.30)	41.1 (1.62)	TMC2X-150162AX	TMC2X-150162NBX	TMC2X-150162SSX
40S	-	1-1/4					TMC2X-125162AX	TMC2X-125162NBX	TMC2X-125162SSX
40	1-1/2	-	37.8 (1.49)	43.7 (1.72)	39.9 (1.57)	48.3 (1.90)	TMC2X-150190AX	TMC2X-150190NBX	TMC2X-150190SSX
40	-	1-1/4					TMC2X-125190AX	TMC2X-125190NBX	TMC2X-125190SSX
50S	2	-	39.9 (1.57)	47.8 (1.88)	41.9 (1.65)	50.8 (2.00)	TMC2X-200200AX	TMC2X-200200NBX	TMC2X-200200SSX
50S	-	1-1/2					TMC2X-150200AX	TMC2X-150200NBX	TMC2X-150200SSX
63S	2-1/2	-	45.5 (1.79)	56.1 (2.21)	48.5 (1.91)	59.2 (2.33)	TMC2X-250233AX	TMC2X-250233NBX	TMC2X-250233SSX
63S	-	2					TMC2X-200233AX	TMC2X-200233NBX	TMC2X-200233SSX
75	3	-	54.4 (2.14)	66.3 (2.61)	57.7 (2.27)	69.1 (2.72)	TMC2X-300272AX	TMC2X-300272NBX	TMC2X-300272SSX
75	-	2-1/2					TMC2X-250272AX	TMC2X-250272NBX	TMC2X-250272SSX
90	3-1/2	-	63.2 (2.49)	75.4 (2.97)	66.5 (2.62)	82.6 (3.25)	TMC2X-350325AX	TMC2X-350325NBX	TMC2X-350325SSX
90	-	3					TMC2X-300325AX	TMC2X-300325NBX	TMC2X-300325SSX
100	4	-	74.9 (2.95)	89.9 (3.54)	80.3 (3.16)	95.5 (3.76)	TMC2X-400376AX	TMC2X-400376NBX	TMC2X-400376SSX
100	-	3-1/2					TMC2X-350376AX	TMC2X-350376NBX	TMC2X-350376SSX
115	4	-	89.4 (3.52)	100.1 (3.94)	94.0 (3.70)	108.0 (4.25)	TMC2X-400425AX	TMC2X-400425NBX	TMC2X-400425SSX

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Standard Materials

- Bodies, sleeve and gland nut: copperfree (4/10 of 1% max.) aluminum, nickel plated brass, or stainless steel
- Grounding spring: stainless steel
- Bushing: LSF-TPE (halogen free)
- End stop washer: nylon

Options

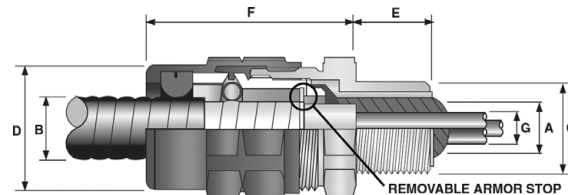
- Metric threads available. Add metric thread size to the end of catalog number, i.e. TMC2X-050075A-M20.

NEC/CEC Certifications and Compliances

- UL Standards: UL 514B, UL 2225
- CSA Standard: C22.2 No. 174
- CSA Certified: 249506



Dimensions in Millimeters (Inches)



Cable Gland Size	Entry Thread C		Minimum Thread Length mm (in) E	Cable Bedding Diameter mm (in) G	Across Flats mm (in) D	Across Corners mm (in) D	Nominal Assembly Length mm (in) F	Replacement High Speed Sealing Resin ①
	NPT	NPT Option						
20S	1/2	-	19.81 (0.78)					
20S	-	3/4	20.32 (0.8)	12.95 (0.51)	30.48 (1.20)	33.53 (1.32)	62.1 (2.45)	RAPIDEX30
20	3/4	-	20.32 (0.8)	12.95 (0.51)	37.59 (1.48)	41.35 (1.63)	75.11 (2.96)	RAPIDEX30
20	-	1/2	19.81 (0.78)					
25	1	-	24.89 (0.98)	18.03 (0.71)	45.97 (1.81)	50.57 (1.99)	80.11 (3.15)	RAPIDEX30
25	-	3/4	20.32 (0.8)					
32	1-1/4	-	25.4 (1.00)	24.13 (0.95)	52.07 (2.05)	57.28 (2.26)	90.09 (3.55)	RAPIDEX30
32	-	1	24.89 (0.98)					
40S	1-1/2	-	26.16 (1.03)	30.48 (1.20)	59.94 (2.36)	65.94 (2.6)	91.21 (3.59)	RAPIDEX80
40S	-	1-1/4	25.4 (1.00)					RAPIDEX30
40	1-1/2	-	26.16 (1.03)	30.48 (1.20)	65.02 (2.56)	71.53 (2.82)	91.11 (3.59)	RAPIDEX80
40	-	1-1/4	25.4 (1.00)					RAPIDEX30
50S	2	-	26.92 (1.06)	37.08 (1.46)	69.85 (2.75)	76.84 (3.03)	95.4 (3.76)	RAPIDEX80
50S	-	1-1/2	26.16 (1.03)					2RAPIDEX80
63S	2-1/2	-	39.88 (1.57)	48.51 (1.91)	74.93 (2.95)	82.42 (3.25)	100.89 (3.97)	2RAPIDEX80
63S	-	2	26.92 (1.06)					
75	3	-	41.4 (1.63)	64.77 (2.55)	89.92 (3.54)	98.91 (3.894)	104.09 (4.10)	3RAPIDEX80
75	-	2-1/2	39.88 (1.57)					2RAPIDEX80
90	3-1/2	-	42.67 (1.68)	75.69 (2.98)	109.98 (4.33)	120.98 (4.763)	118.49 (4.67)	3RAPIDEX80
90	-	3	41.4 (1.63)					
100	4	-	43.94 (1.73)	86.11 (3.39)	122.94 (4.84)	135.23 (5.32)	125.81 (4.95)	4RAPIDEX80
100	-	3-1/2	42.67 (1.68)					3RAPIDEX80
115	4	-	43.94 (1.73)	43.94 (1.73)	132.84 (5.23)	146.13 (5.75)	131.09 (5.16)	4RAPIDEX80

① Included with cable gland