

# 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.

### Features

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

- 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).

### 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"

Entry Thread C	Cable Armor Diameter mm (in) A				Cable Jacket Diameter mm (in) B				Catalog Number		
	NPT Option	Armor Stop In		Armor Stop Out		Min	Max	Aluminium	Nickel Plated Brass	Stainless Steel	
		Min	Max	Min	Max						
1/2"	-	10.70 (0.42)	13.97 (0.55)	13.97 (0.55)	16.0 (0.63)	12.70 (0.50)	19.10 (0.75)	TMC2X-050075AX	TMC2X-050075NBX	TMC2X-050075SSX	
	3/4"			16.51 (0.65)	19.81 (0.78)			TMC2X-075075AX	TMC2X-075075NBX	TMC2X-075075SSX	
3/4"	-	15.20 (0.60)	16.51 (0.65)	16.51 (0.65)	22.6 (0.89)	17.50 (0.69)	25.10 (0.99)	TMC2X-075099AX	TMC2X-075099NBX	TMC2X-075099SSX	
	1/2"			19.81 (0.78)	22.6 (0.89)			TMC2X-050099AX	TMC2X-050099NBX	TMC2X-050099SSX	
1"	-	20.10 (0.79)	21.84 (0.86)	21.84 (0.86)	27.9 (1.10)	22.10 (0.87)	30.00 (1.18)	TMC2X-100118AX	TMC2X-100118NBX	TMC2X-100118SSX	
	3/4"			24.89 (0.98)	24.89 (0.98)			TMC2X-075118AX	TMC2X-075118NBX	TMC2X-075118SSX	
1-1/4"	-	23.90 (0.94)	27.43 (1.08)	27.43 (1.08)	32.5 (1.28)	25.90 (1.02)	34.80 (1.37)	TMC2X-125137AX	TMC2X-125137NBX	TMC2X-125137SSX	
	1"			29.97 (1.18)	29.97 (1.18)			TMC2X-100137AX	TMC2X-100137NBX	TMC2X-100137SSX	
1-1/2"	-	31.0 (1.22)	34.29 (1.35)	34.29 (1.35)	38.1 (1.50)	33.00 (1.30)	41.10 (1.62)	TMC2X-150162AX	TMC2X-150162NBX	TMC2X-150162SSX	
	1-1/4"			36.07 (1.42)	36.07 (1.42)			TMC2X-125162AX	TMC2X-125162NBX	TMC2X-125162SSX	
1-1/2"	-	-	-	38.35 (1.51)	43.7 (1.72)	39.90 (1.57)	48.30 (1.90)	TMC2X-150190AX	TMC2X-150190NBX	TMC2X-150190SSX	
	1-1/4"			45.97 (1.81)	56.10 (2.21)			48.50 (1.91)	59.20 (2.33)	TMC2X-200233AX	TMC2X-200233NBX
2"	-	39.90 (1.57)	43.18 (1.70)	43.18 (1.70)	47.8 (1.88)	41.90 (1.65)	50.80 (2.00)	TMC2X-200200AX	TMC2X-200200NBX	TMC2X-200200SSX	
	1-1/2"			45.97 (1.81)	56.10 (2.21)			48.50 (1.91)	59.20 (2.33)	TMC2X-150200AX	TMC2X-150200NBX
2-1/2"	-	-	-	45.97 (1.81)	56.10 (2.21)	48.50 (1.91)	59.20 (2.33)	TMC2X-250233AX	TMC2X-250233NBX	TMC2X-250233SSX	
	2"			55.12 (2.17)	66.3 (2.61)			57.70 (2.27)	69.10 (2.72)	TMC2X-200233AX	TMC2X-200233NBX
3"	-	54.36 (2.14)	62.48 (2.46)	62.48 (2.46)	66.3 (2.61)	57.70 (2.27)	69.10 (2.72)	TMC2X-300272AX	TMC2X-300272NBX	TMC2X-300272SSX	
	2-1/2"			66.3 (2.61)	69.10 (2.72)			69.10 (2.72)	75.4 (2.97)	66.50 (2.62)	82.60 (3.25)
3-1/2"	-	63.2 (2.49)	70.61 (2.78)	70.61 (2.78)	75.4 (2.97)	66.50 (2.62)	82.60 (3.25)	TMC2X-350325AX	TMC2X-350325NBX	TMC2X-350325SSX	
	3"			75.4 (2.97)	75.4 (2.97)			75.4 (2.97)	75.4 (2.97)	75.4 (2.97)	75.4 (2.97)
4"	-	74.9 (2.95)	87.63 (3.45)	87.63 (3.45)	89.9 (3.54)	80.30 (3.16)	95.50 (3.76)	TMC2X-400376AX	TMC2X-400376NBX	TMC2X-400376SSX	
	3-1/2"			89.9 (3.54)	89.9 (3.54)			89.9 (3.54)	89.9 (3.54)	89.9 (3.54)	89.9 (3.54)
4"	-	-	-	90.42 (3.56)	100.1 (3.94)	94.00 (3.70)	108.00 (4.25)	TMC2X-400425AX	TMC2X-400425NBX	TMC2X-400425SSX	

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NEMA 4X  
IP66

### 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

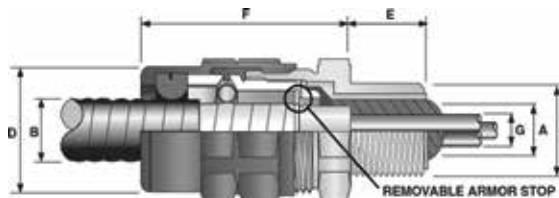
- Metric threads available. Add metric thread size to the end of catalog number, i.e. TMC2X-050075A-M20.

### NEC/CEC Certifications and Compliances

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



Dimensions in Millimeters (Inches)



Entry Thread C		Minimum Thread Length mm (in) E	Max Over Conductors 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						
1/2"	-	19.81 (0.78)	12.95 (0.51)	30.48 (1.20)	33.53 (1.32)	62.10 (2.45)	RAPIDEX30P
-	3/4"	20.32 (0.80)	12.95 (0.51)				
3/4"	-	20.32 (0.80)	18.03 (0.71)	37.59 (1.48)	41.35 (1.63)	75.11 (2.96)	RAPIDEX30P
-	1/2"	19.81 (0.78)	12.95 (0.51)				
1	-	24.89 (0.98)	23.88 (0.94)	45.97 (1.81)	50.57 (1.99)	80.11 (3.15)	RAPIDEX30P
-	3/4"	20.32 (0.80)	18.03 (0.71)				
1-1/4"	-	25.40 (1.00)	30.48 (1.20)	52.07 (2.05)	57.28 (2.26)	90.09 (3.55)	RAPIDEX30P
-	1"	24.89 (0.98)	23.88 (0.94)				
1-1/2"	-	26.16 (1.03)	37.08 (1.46)	59.94 (2.36)	65.94 (2.60)	91.21 (3.59)	RAPIDEX80P
-	1-1/4"	25.40 (1.00)	30.48 (1.20)				RAPIDEX30P
1-1/2"	-	26.16 (1.03)	37.08 (1.46)	65.02 (2.56)	71.53 (2.82)	91.11 (3.59)	RAPIDEX80P
-	1-1/4"	25.40 (1.00)	30.48 (1.20)				RAPIDEX30P
2"	-	26.92 (1.06)	41.40 (1.63)	69.85 (2.75)	76.84 (3.03)	95.4 (3.76)	RAPIDEX80P
-	1-1/2"	26.16 (1.03)	37.08 (1.46)				2RAPIDEX80
2-1/2"	-	39.88 (1.57)	54.10 (2.13)	74.93 (2.95)	82.42 (3.25)	100.89 (3.97)	2RAPIDEX80
-	2"	26.92 (1.06)	48.26 (1.90)				
-	1-1/2"	26.16 (1.03)	37.08 (1.46)	89.92 (3.54)	98.91 (3.894)	104.09 (4.10)	3RAPIDEX80
3"	-	41.40 (1.63)	64.77 (2.55)				2RAPIDEX80
-	2-1/2"	39.88 (1.57)	54.10 (2.13)	109.98 (4.33)	120.98 (4.763)	118.49 (4.67)	3RAPIDEX80
3-1/2"	-	42.67 (1.68)	75.69 (2.98)				
-	3"	41.40 (1.63)	75.69 (2.98)	122.94 (4.84)	135.23 (5.32)	125.81 (4.95)	4RAPIDEX80
4"	-	43.94 (1.73)	85.85 (3.38)				3RAPIDEX80
-	3-1/2"	42.67 (1.68)	85.85 (3.38)	132.84 (5.23)	146.13 (5.75)	131.09 (5.16)	4RAPIDEX80
4"	-	43.94 (1.73)	85.85 (3.38)				

① Included with cable gland