

TMC2 Connectors For Jacketed Metal Clad Cable

NEC/CEC:

Class I, Division 2, Groups A, B, C, D ②
Class I, Zones 1 and 2, AEx II AEx tA IIC
Class I, Zones 1 and 2, Exe II Ex tA IIC
Class II, Divisions 1 and 2, Groups E, F, G
Class III, Divisions 1 and 2

NEC/CEC:

NEMA 4X
IP66

Applications

- TMC2 connectors are designed for use with the following cables:
 - MC/MC-HL
 - Corrugated Interlocked Aluminium/Steel Armor
 - Continuously Welded Armor Cables, e.g. TECK or CLX
- TMC2 connectors provide a means for terminating jacketed type MC cable, forming a mechanical watertight connection and providing ground continuity for cable armor.

Features

- Simplified two piece design.
- Integral 'O' ring face seal providing – 4X and IP66.
- Independent sealing and armor clamping.
- True 360° grounding.
- Removable cable armor end stop accommodates larger insulated conductors.
- Aluminum connectors 1/2", 3/4" and 1" supplied with zinc plated steel locknut.

- Superior pull out prevention.
- Compact slim profile
- Reduced installation time (no disassembly required).
- Widest cable acceptance range.
- Re-usable design.
- Additional integral deluge proof seal for protection in extreme offshore and onshore environments.
- Continuous operating temperature -60 °C to +110 °C (-76 °F to +230°F).

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
- O-Ring: Viton

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		Aluminum	Nickel Plated Brass	Stainless Steel ①
		Min	Max	Min	Max						
1/2"	-	10.70 (0.42)	13.97 (0.55)	13.97 (0.55)	16.0 (0.63)	12.7 (0.50)	19.1 (0.75)		TMC2-050075A	TMC2-050075NB	TMC2-050075SS
-	3/4"								TMC2-075075A	TMC2-075075NB	TMC2-075075SS
1/2"	-	15.20 (0.60)	16.51 (0.65)	16.51 (0.65)	22.6 (0.89)	17.5 (0.69)	25.1 (0.99)		TMC2-050099A	TMC2-050099NB	TMC2-050099SS
-	3/4"		19.81 (0.78)	19.81 (0.78)					TMC2-075099A	TMC2-075099NB	TMC2-075099SS
3/4"	-	20.10 (0.79)	21.84 (0.86)	21.84 (0.86)	27.9 (1.10)	22.1 (0.87)	30.0 (1.18)		TMC2-075118A	TMC2-075118NB	TMC2-075118SS
-	1"		24.89 (0.98)	24.89 (0.98)					TMC2-100118A	TMC2-100118NB	TMC2-100118SS
1"	-	23.90 (0.94)	27.43 (1.08)	27.43 (1.08)	32.5 (1.28)	25.9 (1.02)	34.8 (1.37)		TMC2-100137A	TMC2-100137NB	TMC2-100137SS
-	1-1/4"		29.97 (1.18)	29.97 (1.18)					TMC2-125137A	TMC2-125137NB	TMC2-125137SS
1-1/4"	-	31.0 (1.22)	34.29 (1.35)	34.29 (1.35)	38.1 (1.50)	33.0 (1.30)	41.1 (1.62)		TMC2-125162A	TMC2-125162NB	TMC2-125162SS
-	1-1/2"		36.07 (1.42)	36.07 (1.42)					TMC2-150162A	TMC2-150162NB	TMC2-150162SS
1-1/4"	-	-	-	38.35 (1.51)	43.7 (1.72)	39.9 (1.57)	48.3 (1.90)		TMC2-125190A	TMC2-125190NB	TMC2-125190SS
-	1-1/2"								TMC2-150190A	TMC2-150190NB	TMC2-150190SS
1-1/2"	-	39.90 (1.57)	43.18 (1.70)	43.18 (1.70)	47.8 (1.88)	41.9 (1.65)	50.8 (2.00)		TMC2-150200A	TMC2-150200NB	TMC2-150200SS
-	2"								TMC2-200200A	TMC2-200200NB	TMC2-200200SS
-	1-1/2"	-	-	45.97 (1.81)	56.1 (2.21)	48.3 (1.90)	59.2 (2.33)		TMC2-150233A	TMC2-150233NB	TMC2-150233SS
2"	-								TMC2-200233A	TMC2-200233NB	TMC2-200233SS
-	2"	54.36 (2.14)	62.48 (2.46)	55.12 (2.17)	66.3 (2.61)	57.7 (2.27)	69.1 (2.72)		TMC2-200272A	TMC2-200272NB	TMC2-200272SS
2-1/2"	-								TMC2-250272A	TMC2-250272NB	TMC2-250272SS
3"	-	63.2 (2.49)	70.61 (2.78)	70.61 (2.78)	75.4 (2.97)	66.5 (2.62)	82.6 (3.25)		TMC2-300325A	TMC2-300325NB	TMC2-300325SS
-	3-1/2"								TMC2-350325A	TMC2-350325NB	TMC2-350325SS
3-1/2"	-	74.9 (2.95)	87.63 (3.45)	87.63 (3.45)	89.9 (3.54)	80.3 (3.16)	95.5 (3.76)		TMC2-350376A	TMC2-350376NB	TMC2-350376SS
-	4"								TMC2-400376A	TMC2-400376NB	TMC2-400376SS
4"	-	-	-	90.42 (3.56)	100.1 (3.94)	94.0 (3.70)	108.0 (4.25)		TMC2-400425A	TMC2-400425NB	TMC2-400425SS

① Stainless steel is priced by quote only. Contact your factory representative for assistance.

② Where explosionproof enclosures are being used the TMC2 must be installed in conjunction with an approved pouring or compound sealing fitting. In Division 2 areas the TMC2 can be fitted directly to an enclosure which has no source of ignition in accordance with NEC/CEC requirements.

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IP66

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"

NEC/CEC Certifications and Compliances

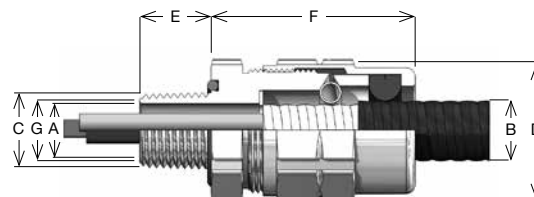
- UL Standards: UL 514B, UL 2225
- CSA Standard: C22.2 No. 174
- cCSAus Certified: 249506

Options

- Metric threads available. Add metric thread size to catalog number, i.e. TMC2-050075A-M20



Dimensions in Millimeters (Inches)



Entry Thread C		Minimum Thread Length mm (in) E	Thru Bore mm (in) G	Across Flats mm (in) D	Across Corners mm (in) D	Nominal Assembly Length mm (in) F	Optional PVC Shroud	Cable Gland Weight kg (oz)
NPT	NPT Option							
1/2"	-	19.81 (0.78)	12.95 (0.51)	30.5 (1.20)	33.0 (1.30)	41.9 (1.65)	PVC06	0.06 (2.29)
-	3/4"	20.32 (0.80)	12.95 (0.51)	37.6 (1.48)	40.6 (1.60)	50.0 (1.97)	PVC09	0.09 (3.00)
1/2"	-	19.81 (0.78)	15.49 (0.61)	46.0 (1.81)	49.5 (1.95)	54.1 (2.13)	PVC11	0.14 (5.11)
-	3/4"	20.32 (0.80)	19.05 (0.75)	52.1 (2.05)	56.1 (2.21)	59.4 (2.34)	PVC15	0.19 (6.70)
3/4"	-	20.32 (0.80)	20.83 (0.82)	59.9 (2.36)	64.8 (2.55)	62.0 (2.44)	PVC18	0.25 (8.82)
-	1"	24.89 (0.98)	24.13 (0.95)	65.0 (2.56)	70.1 (2.76)	62.0 (2.44)	PVC37	0.27 (9.45)
1"	-	24.89 (0.98)	26.42 (1.04)	69.9 (2.75)	75.4 (2.97)	66.0 (2.60)	PVC21	0.31 (11.06)
-	1-1/4"	25.65 (1.01)	28.96 (1.14)	74.9 (2.95)	81.0 (3.19)	67.1 (2.64)	PVC23	0.36 (12.77)
1-1/4"	-	25.65 (1.01)	33.27 (1.31)	89.9 (3.54)	97.0 (3.82)	70.1 (2.76)	PVC28	0.70 (24.69)
-	1-1/2"	26.16 (1.03)	35.05 (1.38)	110.0 (4.33)	118.9 (4.68)	87.9 (3.46)	PVC32	1.21 (42.68)
1-1/2"	-	25.65 (1.01)	34.8 (1.37)	122.9 (4.84)	132.8 (5.23)	93.5 (3.68)	LSF33	1.51 (53.44)
-	1-1/2"	26.16 (1.03)	39.12 (1.54)	132.8 (5.23)	143.5 (5.65)	98.8 (3.89)	LSF34	1.68 (59.19)
1-1/2"	-	26.16 (1.03)	40.89 (1.61)					
-	2"	26.92 (1.06)	41.91 (1.65)					
-	1-1/2"	26.16 (1.03)	40.89 (1.61)					
2"	-	26.92 (1.06)	51.56 (2.03)					
-	2"	26.92 (1.06)	52.58 (2.07)					
2-1/2"	-	39.88 (1.57)	60.96 (2.40)					
3"	-	41.40 (1.63)	69.09 (2.72)					
-	3-1/2"	42.93 (1.69)	69.09 (2.72)					
3-1/2"	-	42.93 (1.69)	85.85 (3.38)					
-	4"	43.94 (1.73)	85.85 (3.38)					
4"	-	43.94 (1.73)	91.19 (3.59)					

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