

TMCX Connectors For Jacketed Metal Clad Cable

Explosionproof, Dust-Ignitionproof

TMCX For Hazardous Locations.

NEC/CEC:

Class I, Division 1 and 2, Groups A, B, C, D
 Class I, Zone 1, AExd IIC
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4X

NEC/CEC:

IP66

Applications

- TMC connectors are designed for use with the following cables:
 - MC/MCHL
 - Corrugated Interlocked Aluminium/Steel Armor
 - Continuously Welded Armor Cables
 - E.g. TECK or CLX
- 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

- Independent sealing and armor clamping.
- True 360° grounding.
- Superior pull out prevention.
- Compact slim profile.
- Widest cable acceptance range.
- Supplied complete with epoxy sealing compound.
- Disconnectable design.
- Additional integral deluge proof seal for protection in extreme offshore and onshore environments.

Size Ranges

- Trade sizes: 1/2" thru 4".
- Cable Jacket Diameter Range: 0.354" thru 4.220"
- Cable Armor Diameter Range: 0.342" thru 4.020"

Standard Materials

- Bodies, sleeve and gland nut: copperfree (4/10 of 1% max.) aluminum, nickel plated brass, stainless steel
- Grounding spring: stainless steel
- Bushing: LSF-TPE (halogen-free)
- Stop and slip washers: nylon
- O-ring: Viton

Options

- Metric threads available. Add metric thread size to the end of the catalog number, i.e. TMCX-050A-**M20**.
- Stainless steel available. Contact your local representative for price and availability.

NEC/CEC Certifications and Compliances

- UL Standard: 2225, 514B
- UL Listed: 83827
- CSA Standard: C22.2 No. 174
- cCSAus Certified: 025875, 249506

HAZARDOUS LOCATION FITTINGS: NEC/CEC MC CONNECTORS

Entry Thread A		Cable Armor Diameter mm (in) C				Cable Jacket Diameter mm (in) D			Catalog Number	
NPT	Metric	End Stop In		End Stop Out		Min	Max	Aluminum	NP Brass	
		Min	Max	Min	Max					
1/2S	M20	—	—	8.6 (0.34)	12.7 (0.50)	8.70 (0.35)	13.8 (0.55)	TMCX050SA	TMCX050SNB	
1/2	M20	—	—	12.9 (0.51)	16.9 (0.67)	13.9 (0.55)	19.9 (0.79)	TMCX050A	TMCX050NB	
3/4	M25	15.0 (0.59)	19.3 (0.76)	19.3 (0.76)	23.2 (0.92)	19.9 (0.67)	26.2 (1.04)	TMCX075A	TMCX075NB	
1	M32	20.9 (0.83)	24.6 (0.97)	24.6 (0.97)	29.2 (1.15)	23.1 (0.91)	32.2 (1.27)	TMCX100A	TMCX100NB	
1-1/4	M40	27.5 (1.08)	31.1 (1.23)	31.1 (1.23)	35.2 (1.39)	29.4 (1.16)	38.2 (1.50)	TMCX125A	TMCX125NB	
1-1/2	M50	33.5 (1.32)	37.1 (1.46)	37.1 (1.46)	41.0 (1.62)	35.6 (1.40)	44.0 (1.74)	TMCX150A	TMCX150NB	
2S	M50	38.3 (1.51)	42.5 (1.68)	42.5 (1.68)	47.0 (1.85)	40.1 (1.58)	51.0 (2.07)	TMCX200SA	TMCX200SNB	
2	M63	45.0 (1.77)	49.0 (1.93)	49.0 (1.93)	53.0 (2.09)	47.1 (1.86)	56.0 (2.21)	TMCX200A	TMCX200NB	
2-1/2S	M63	52.1 (2.05)	54.8 (2.16)	54.8 (2.16)	58.9 (2.32)	52.8 (2.08)	26.0 (2.44)	TMCX250SA	TMCX250SNB	
2-1/2	M75	57.0 (2.25)	61.1 (2.41)	61.1 (2.41)	64.6 (2.55)	59.1 (2.33)	67.9 (2.68)	TMCX250A	TMCX250NB	
3	M90	64.5 (2.54)	70.5 (2.78)	70.5 (2.78)	75.3 (2.97)	66.5 (2.62)	79.4 (3.13)	TMCX300A	TMCX300NB	
3-1/2	M100	73.9 (2.91)	83.5 (3.29)	83.5 (3.29)	88.5 (3.49)	75.9 (2.99)	97.2 (3.83)	TMCX350A	TMCX350NB	

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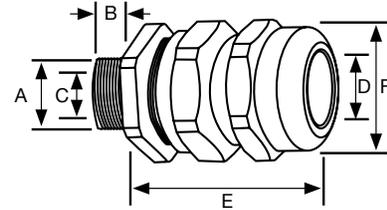
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Dimensions in Millimeters (Inches)



Entry Thread A		Minimum Thread Length mm (in) B	Nominal Assembly Length mm (in) E	Envelope Diameter mm (in) F	Compound Weight (Ounces)	Compound Supplied (Grams)	PVC Shroud Reference	Replacement Compound	Quantity Each	Cable Gland Weight kg (oz)
NPT (Inches)	Metric									
1/2S	M20	15.0 (0.59)	55.8 (2.20)	33.2 (1.31)	0.5	15	PVC09	LTCOMP15	1	0.22 (7.90)
1/2	M20	15.0 (0.59)	55.8 (2.20)	39.8 (1.57)	0.5	15	PVC09		1	0.28 (9.91)
3/4	M25	15.0 (0.59)	55.8 (2.20)	45.4 (1.79)	1.2	35	PVC10	LTCOMP35	1	0.33 (11.61)
1	M32	16.0 (0.63)	56.8 (2.24)	55.3 (2.18)	1.2	35	PVC13	LTCOMP35	1	0.50 (17.53)
1-1/4	M40	16.0 (0.63)	56.8 (2.24)	60.9 (2.40)	2	55	PVC16	LTCOMP55	1	0.59 (20.92)
1-1/2	M50	16.0 (0.63)	60.1 (2.37)	66.5 (2.62)	3.2	90	PVC18	LTCOMP90	1	0.69 (24.45)
2S	M50	16.0 (0.63)	66.0 (2.60)	77.7 (3.06)	3.2	90	PVC21	LTCOMP90	1	1.20 (42.33)
2	M63	16.0 (0.63)	71.3 (2.81)	83.3 (3.28)	4.8	135	PVC24	LTCOMP135	1	1.10 (38.80)
2-1/2S	M63	22.8 (0.90)	73.1 (2.88)	88.6 (3.49)	9.5	270	PVC25	LTCOMP270	1	1.70 (59.97)
2-1/2	M75	22.8 (0.90)	73.1 (2.88)	94.2 (3.71)	9.5	270	PVC27	LTCOMP270	1	1.60 (56.48)
3	M90	24.8 (0.98)	99.6 (3.92)	121.9 (4.80)	14.3	405	PVC32	LTCOMP135 LTCOMP270	1	3.50 (123.46)
3-1/2	M100	36.4 (1.44)	117.0 (4.61)	147.8 (5.82)	19	540	-	LTCOMP270	2	6.70 (236.34)

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