

TMCX Connectors For Jacketed Metal Clad Cable

Explosionproof, Dust-Ignitionproof

TMCX For Hazardous Locations.

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

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.

Standard Materials

- Bodies, sleeve and gland nut: copperfree (4/10 or 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

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"

Certifications and Compliances

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

Options

- PVC coating available on select connectors. Add suffix **-PVC** to catalog number.

| Entry Thread A | Inches/Millimeters | | | | | | Cable Jacket Diameter D | | Catalog Number | | |
|----------------------------|---------------------------|-----------|-------------|------------|--------------|------------|----------------------------|------------|----------------|----------|-------------------|
| | Cable Armor Diameter C | | End Stop In | | End Stop Out | | Min | Max | Aluminum | NP Brass | Stainless Steel * |
| | Min | Max | Min | Max | Min | Max | | | | | |
| 1/2S NPT (Inches) M20 | — | — | 0.34/8.6 | 0.50/12.7 | 0.35/8.7 | 0.55/13.8 | TMCX050SA † | TMCX050SNB | TMCX050SSS | | |
| 1/2 NPT (Inches) M20 | — | — | 0.51/12.9 | 0.67/16.9 | 0.55/13.9 | 0.79/19.9 | TMCX050A † | TMCX050NB | TMCX050SS | | |
| 3/4 NPT (Inches) M25 | 0.59/15.0 | 0.76/19.1 | 0.76/19.2 | 0.92/23.2 | 0.67/19.9 | 1.04/26.2 | TMCX075A † | TMCX075NB | TMCX075SS | | |
| 1 NPT (Inches) M32 | 0.83/20.9 | 0.97/24.6 | 0.97/24.6 | 1.15/29.2 | 0.91/23.1 | 1.27/32.2 | TMCX100A † | TMCX100NB | TMCX100SS | | |
| 1-1/4 NPT (Inches) M40 | 1.08/27.5 | 1.23/31.1 | 1.23/31.1 | 1.39/35.2 | 1.16/29.4 | 1.50/38.2 | TMCX125A † | TMCX125NB | TMCX125SS | | |
| 1-1/2 NPT (Inches) M50 | 1.32/33.5 | 1.46/37.1 | 1.46/37.1 | 1.62/41.0 | 1.40/35.6 | 1.74/44.0 | TMCX150A † | TMCX150NB | TMCX150SS | | |
| 2S NPT (Inches) M50 | 1.51/38.3 | 1.68/42.5 | 1.68/42.5 | 1.85/47.0 | 1.58/40.1 | 2.07/51.0 | TMCX200SA | TMCX200SNB | TMCX200SSS | | |
| 2 NPT (Inches) M63 | 1.77/45.0 | 1.93/49.0 | 1.93/49.0 | 2.09/53.0 | 1.86/47.1 | 2.21/56.0 | TMCX200A † | TMCX200NB | TMCX200SS | | |
| 2-1/2S NPT (Inches) M63 | 2.05/52.1 | 2.16/54.8 | 2.16/54.8 | 2.32/58.9 | 2.08/52.8 | 2.44/26.0 | TMCX250SA | TMCX250SNB | TMCX250SSS | | |
| 2-1/2 NPT (Inches) M75 | 2.25/57.0 | 2.41/61.1 | 2.41/61.1 | 2.55/64.6 | 2.33/59.1 | 2.68/67.9 | TMCX250A † | TMCX250NB | TMCX250SS | | |
| 3 NPT (Inches) M90 | 2.54/64.5 | 2.78/70.5 | 2.78/70.5 | 2.97/75.3 | 2.62/66.5 | 3.13/79.4 | TMCX300A † | TMCX300NB | TMCX300SS | | |
| 3-1/2 NPT (Inches) M100 | 2.91/73.9 | 3.29/83.5 | 3.29/83.5 | 3.49/88.5 | 2.99/75.9 | 3.83/97.2 | TMCX350A † | TMCX350NB | TMCX350SS | | |
| 4 NPT (Inches) M110 | — | — | 3.50/88.9 | 4.02/102.1 | 3.70/93.9 | 4.22/107.1 | TMCX402400 | — | — | | |

* Stainless Steel is priced by quote only. Contact your factory representative for assistance.

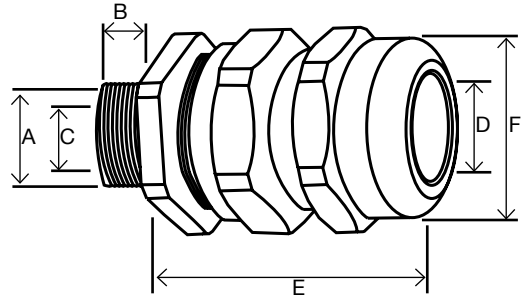
† PVC coating available. Add suffix **-PVC** to catalog number.

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| Entry Thread A | | Inches/Millimeters | | | Compound Weight (Ounces) | Compound Supplied (Grams) | Quantity Each | Replacement Compound |
|-------------------|--------|----------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|------------------|-------------------------|
| NPT (Inches) | Metric | Minimum Thread Length B | Nominal Assembly Length E | Envelope Diameter F | | | | |
| 1/2S | M20 | 0.59/14.9 | 2.20/55.8 | 1.31/33.2 | 0.5 | 15 | 1 | LTCOMP15 |
| 1/2 | M20 | 0.59/14.9 | 2.20/55.8 | 1.57/39.8 | | | | |
| 3/4 | M25 | 0.59/14.9 | 2.20/55.8 | 1.79/45.4 | 1.2 | 35 | 1 | LTCOMP35 |
| 1 | M32 | 0.63/16.0 | 2.24/56.8 | 2.18/55.3 | 1.2 | 35 | 1 | LTCOMP35 |
| 1-1/4 | M40 | 0.63/16.0 | 2.24/56.8 | 2.40/60.9 | 2 | 55 | 1 | LTCOMP55 |
| 1-1/2 | M50 | 0.63/16.0 | 2.37/60.1 | 2.62/66.5 | 3.2 | 90 | 1 | LTCOMP90 |
| 2S | M50 | 0.63/16.0 | 2.60/66.0 | 3.06/77.7 | 3.2 | 90 | 1 | LTCOMP90 |
| 2 | M63 | 0.63/16.0 | 2.81/71.3 | 3.28/83.3 | 4.8 | 135 | 1 | LTCOMP135 |
| 2-1/2S | M63 | 0.90/22.8 | 2.88/73.1 | 3.49/88.6 | 9.5 | 270 | 1 | LTCOMP270 |
| 2-1/2 | M75 | 0.90/22.8 | 2.88/73.1 | 3.71/94.2 | 9.5 | 270 | 1 | LTCOMP270 |
| 3 | M90 | 0.98/24.8 | 3.92/99.5 | 4.80/121.9 | 14.3 | 405 | 1 | LTCOMP135 LTCOMP270 |
| 3-1/2 | M100 | 1.44/36.4 | 4.61/117.0 | 5.82/147.8 | 19 | 540 | 2 | LTCOMP270 |
| 4 | M110 | 1.44/36.4 | 7.66/194.5 | 5.84/148.3 | | | | |