

# NEMA 4X TMC & TMCX CONNECTORS

CABLE CONNECTORS FOR CORRUGATED  
AND INTERLOCKED CABLE

 **Appleton®**



# TMC CONNECTOR

The Appleton TMC Connector line has been developed in response to the need for a rugged and reliable cable terminating solution with inherent ease of installation and maintenance. Designed for use with interlocked and continuously welded/corrugated armor cable. For use in both Ordinary and Hazardous (Classified) Locations.

## TMC FEATURES AND BENEFITS

- Integral 'O' ring face seal providing – IP66 & NEMA 4X protection (protective boot not necessary)
- Independent sealing and armor clamping
- True 360° grounding
- 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
- Metric option available
- 1/2" through 1" supplied with locknut

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

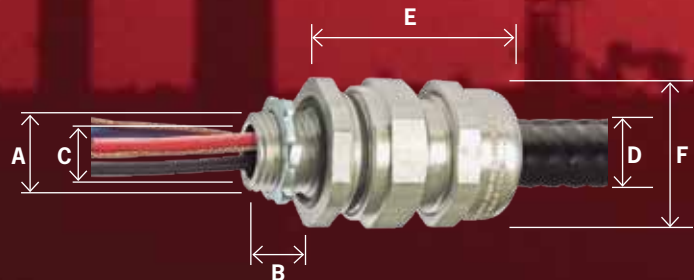
(2) Connectors with NPT entry threads are suitable for both Divisions and Zones.

(3) Connectors with Metric entry threads are suitable for ZONES only unless fitted with an approved NPT male adaptor in accordance with CEC requirements.

(4) 'O' Ring face seal supplied as standard only with aluminum.

## TECHNICAL DATA

Type	TMC
<b>Classification</b>	<b>NEC</b> Class I Div 2 Groups A, B, C, D <sup>(1)</sup> Class I Zone 1 & 2 AExe II <b>CEC</b> Class I Div 2 Groups A, B, C, D <sup>(1)</sup> Class II Div 1 & 2 Groups E, F, G Class III Div 1 & 2 Class I Zone 1 & 2 Exe II
<b>Compliance Code</b>	UL Standard 514B, 886 CSA Standard C22.2 No 18, 174 IEC60079
<b>Certification/Listings</b>	UL Listing File: E81737 CSA Certificate No: 1129339
<b>Enclosure Types</b>	NEMA 3, 4 & 4X and IP66
<b>Connector Material</b>	Copper Free Aluminium (<0.4%) Nickel Plated Brass, Stainless Steel.
<b>Cable Type</b>	MC/MCHL – Corrugated/ Interlocked Aluminium/Steel Armor and Continuously Welded Armor Cables, e.g. TECK or CLX



Order Reference			Entry Thread 'A'	Min Thread Length 'B'	Cable Armor Diameter 'C'				Cable Jacket Diameter 'D'		Nominal Assembly Length 'E'	Envelope Diameter 'F'
Aluminum	NP Brass	Stainless Steel*			Cable Stop in		Cable Stop out		Min	Max		
TMC050SA	TMC050SNB	TMC050SSS	1/2"	0.59	-	-	0.342	0.503	0.354	0.547	2.20	1.31
TMC050A	TMC050NB	TMC050SS	1/2"	0.59	-	-	0.510	0.669	0.550	0.787	2.20	1.57
TMC050LA TMC075A	- TMC075NB	- TMC075SS	1/2" 3/4"	0.59 0.59	0.591	0.756	0.756	0.917	0.669	1.035	2.20	1.79
TMC075LA TMC100A	- TMC100NB	- TMC100SS	3/4" 1"	0.63 0.63	0.825	0.969	0.969	1.150	0.910	1.268	2.24	2.18
TMC100LA TMC125A	- TMC125NB	- TMC125SS	1" 1 1/4"	0.63 0.63	1.083	1.228	1.228	1.386	1.161	1.504	2.24	2.40
TMC125LA TMC150A	- TMC150NB	- TMC150SS	1 1/4" 1 1/2"	0.63 0.63	1.320	1.461	1.461	1.618	1.402	1.736	2.37	2.62
TMC150LA TMC200SA	- TMC200SNB	- TMC200SSS	1 1/2" 2"	0.63 0.63	1.508	1.677	1.677	1.854	1.579	2.008	2.58	3.06
TMC150XLA TMC200A	- TMC200NB	- TMC200SS	1 1/2" 2"	0.63 0.63	1.772	1.933	1.933	2.087	1.858	2.205	2.49	3.28
TMC200LA TMC250SA	- TMC250SNB	- TMC250SSS	2" 2 1/2"	0.90 0.90	2.052	2.161	2.161	2.320	2.079	2.441	2.50	3.49
TMC200XLA TMC250A	- TMC250NB	- TMC250SS	2" 2 1/2"	0.90 0.90	2.247	2.406	2.406	2.545	2.327	2.677	2.52	3.71
TMC300A	TMC300NB	TMC300SS	3"	0.98	2.543	2.776	2.776	2.965	2.622	3.126	3.57	4.80
TMC350A	TMC350NB	TMC350SS	3 1/2"	1.437	2.913	3.291	3.291	3.485	2.992	3.827	4.61	5.82
TMC400A	TMC400NB	TMC400SS	4"	1.437	-	-	3.500	4.020	3.700	4.220	7.66	5.84

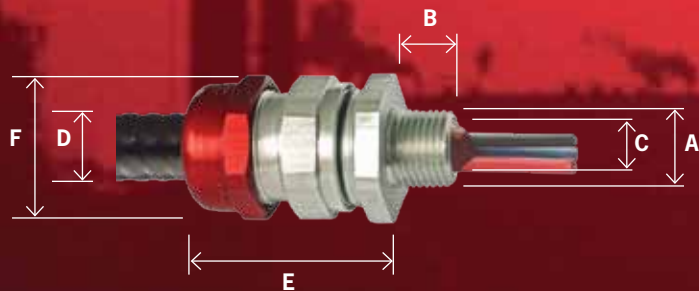
\* Stainless Steel connectors are a made to order item and are priced on application. Please consult factory representative for pricing and availability.

# TMCX CONNECTOR

The Appleton TMCX Connector line has been designed for the termination of continuous corrugated and interlocked cables in Hazardous Locations. In these conditions it is necessary to provide a complete gas block and explosion proof seal to the cable. This design provides an easy, fast and safe method of installation and has many notable features.

## TMCX FEATURES AND BENEFITS

- Independent sealing and armor clamping
- True 360° grounding
- Superior pull out prevention
- Compact slim profile
- Reduced installation time
- 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



## TECHNICAL DATA

Type	TMCX
<b>Classification</b>	<b>NEC</b> Class I Div 1 & 2 Groups A, B, C, D Class II Div 1 & 2 Groups E, F, G Class III Div 1 & 2 – Class I Zone I AExd IIC <b>CEC</b> Class I Div 1 & 2 Groups A, B, C, D Class II Div 1 & 2 Groups E, F, G Class III Div 1 & 2 – Class I Zone I Exd IIC
<b>Compliance Code</b>	UL Standard 514B, 886, 2225, 2279 CSA Standard C22.2 No 18, 174 & IEC 60079
<b>Certification/Listings</b>	UL Listing File: E83827 CSA Certificate No: 1129339
<b>Enclosure Types</b>	NEMA 3, 4, 4X & IP66
<b>Connector Material</b>	Copper Free Aluminium (<0.4%) Nickel Plated Brass, Stainless Steel.
<b>Cable Type</b>	MC/MCHL – Corrugated/ Interlocked Aluminium/Steel Armor and Continuously Welded Armor Cables, e.g. TECK or CLX

- 1) Connectors with NPT entry threads are suitable for both Divisions and Zones.
- 2) Connectors with Metric entry threads are suitable for ZONES only unless fitted with an approved NPT male adaptor in accordance with CEC requirements.

Order Reference			Entry Thread 'A'		Min Thread Length 'B'	Cable Armor Diameter 'C'				Cable Jacket Diameter 'D'		Nominal Assembly Length 'E'	Envelope Diameter 'F'	Compound Weight in OZ's
Aluminum	NP Brass	Stainless Steel*	NPT	Metric		Cable Stop in		Cable Stop out		Min	Max			
						Min	Max	Min	Max					
TMCX050SA	TMCX050SNB	TMCX050SSS	1/2"	M20	0.59	-	-	0.342	0.503	0.354	0.547	2.20	1.31	1/2
TMCX050A	TMCX050NB	TMCX050SS	1/2"	M20	0.59	-	-	0.510	0.669	0.550	0.787	2.20	1.57	1/2
TMCX075A	TMCX075NB	TMCX075SS	3/4"	M25	0.59	0.591	0.756	0.756	0.917	0.669	1.035	2.20	1.79	1/2
TMCX100A	TMCX100NB	TMCX100SS	1"	M32	0.63	0.825	0.969	0.969	1.150	0.910	1.268	2.24	2.18	1-1/4
TMCX125A	TMCX125NB	TMCX125SS	1 1/4"	M40	0.63	1.083	1.228	1.228	1.386	1.161	1.504	2.24	2.40	1-1/4
TMCX150A	TMCX150NB	TMCX150SS	1 1/2"	M50	0.63	1.320	1.461	1.461	1.618	1.402	1.736	2.37	2.62	2
TMCX200SA	TMCX200SNB	TMCX200SSS	2"	M50	0.63	1.508	1.677	1.677	1.854	1.579	2.008	2.60	3.06	3
TMCX200A	TMCX200NB	TMCX200SS	2"	M63	0.63	1.772	1.933	1.933	2.087	1.858	2.205	2.81	3.28	4-3/4
TMCX250SA	TMCX250SNB	TMCX250SSS	2 1/2"	M63	0.90	2.052	2.161	2.161	2.320	2.079	2.441	2.88	3.49	9-1/2
TMCX250A	TMCX250NB	TMCX250SS	2 1/2"	M75	0.90	2.247	2.406	2.406	2.545	2.327	2.677	2.88	3.71	9-1/2
TMCX300A	TMCX300NB	TMCX300SS	3"	M90	0.98	2.543	2.776	2.776	2.965	2.622	3.126	3.92	4.80	12-1/2
TMCX350A	TMCX350NB	TMCX350SS	3 1/2"	M100	1.437	2.913	3.291	3.291	3.485	2.992	3.827	4.61	5.82	19
TMCX400A	TMCX400NB	TMCX400SS	4"	M110	1.437	-	-	3.500	4.020	3.700	4.220	7.66	5.84	19

\* Stainless Steel connectors are a made to order item and are priced on application. Please consult factory representative for pricing and availability.

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EGS Electrical Group  
9377 W. Higgins Road  
Rosemont, IL 60018  
1.800.621.1506  
[www.appletonelec.com](http://www.appletonelec.com)

Canada  
888.765.2226  
  
Latin America  
52.55.5366-6180 x125

Asia/Pacific  
65.6745.0114  
  
China  
86.21.54260668 x305

Middle East  
971.4.8838.831  
  
Europe  
33.1.4817.8502