Appleton®

DICOM INGENIEROS S.R.L.

Materiales eléctricos
Industriales

GUÍA DE
FICHAS TÉCNICAS

PRODUCTOS ELECTRICOS



MINERIA · ENERGIA · CONSTRUCCIÓN · HIDROCARBUROS · INDUSTRIA · TELECOMUNICACIONES · INFRAESTRUCTURA Y TRANSPORTE

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TMCX Series 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; AExe II | Class II, Division 1 and 2, Groups E, F, G | Class III, Division 1 and 2 | Encl. Types 3, 4, and 4X

Applications

- TMCX 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 Certification: E161256, E256366
- UL Standard: 2225, UL50, UL60079-0, 1, 7
- CSA Standard: C22.2 No 0-10,18.3-04,25,174,94, 60079-0,1
- cCSAus Certified: 1129339

Entry Thread A		Catalog Number					
NPT	Metric	Aluminium	Nickel Plated Brass	PVC Shroud Reference	Replacement Compound	Quantity Each	Cable Gland Weight kg (oz)
1/2S	M20	**TMCX050SA**	**TMCX050SNB**	**PVC09**	**LTCOMP15**	1	0.22 (7.90)
1/2	M20	**TMCX050A**	**TMCX050NB**	**PVC09**	**LTCOMP15**	1	0.28 (9.91)
3/4	M25	**TMCX075A**	**TMCX075NB**	**PVC10**	**LTCOMP35**	1	0.33 (11.61)
1	M32	**TMCX100A**	**TMCX100NB**	**PVC13**	**LTCOMP35**	1	0.50 (17.53)
1-1/4	M40	**TMCX125A**	**TMCX125NB**	**PVC16**	**LTCOMP55**	1	0.59 (20.92)
1-1/2	M50	**TMCX150A**	**TMCX150NB**	**PVC18**	**LTCOMP90**	1	0.69 (24.45)
2S	M50	**TMCX200SA**	**TMCX200SNB**	**PVC21**	**LTCOMP90**	1	1.20 (42.33)
2	M63	**TMCX200A**	**TMCX200NB**	**PVC24**	**LTCOMP135**	1	1.10 (38.80)
2-1/2S	M63	**TMCX250SA**	**TMCX250SNB**	**PVC25**	**LTCOMP270**	1	1.70 (59.97)
2-1/2	M75	**TMCX250A**	**TMCX250NB**	**PVC27**	**LTCOMP270**	1	1.60 (56.48)
3	M90	**TMCX300A**	**TMCX300NB**	**PVC32**	**LTCOMP135 + LTCOMP270**	1	3.50 (123.46)
3-1/2	M100	**TMCX350A**	**TMCX350NB**	—	**LTCOMP270**	2	6.70 (236.34)

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ATEX/IECEx Certifications and Compliances

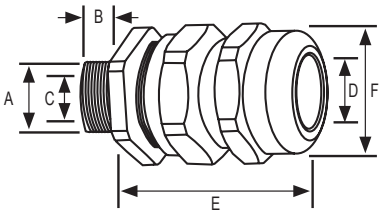
- ATEX Certificate: CML18ATEX1337X
- IECEx Certificate: IECEx CML 18.0184X
- Index of Protection: IP66

UKEX Certifications

- UKEX Certificate: CML 21UKEX1261X



Dimensions in Millimeters (Inches)



Entry Thread A		Cable Armor Diameter mm (in) C				Cable Jacket Diameter mm (in) B		Minimum Thread Length mm (in) B	Nominal Assembly Length mm (in) E	Envelope Diameter mm (in) F	Compound Weight (Ounces)	Compound Supplied (Grams)
		End Stop In		End Stop Out								
NPT	Metric	Min	Max	Min	Max	Min	Max					
1/2S	M20	—	—	8.6 (0.34)	12.7 (0.50)	8.70 (0.35)	13.8 (0.55)	15.0 (0.59)	55.8 (2.20)	33.2 (1.31)	0.5	15
1/2	M20	—	—	12.9 (0.51)	16.9 (0.67)	13.9 (0.55)	19.9 (0.79)	15.0 (0.59)	55.8 (2.20)	39.8 (1.57)	0.5	15
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)	15.0 (0.59)	55.8 (2.20)	45.4 (1.79)	1.2	35
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)	16.0 (0.63)	56.8 (2.24)	55.3 (2.18)	1.2	35
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)	16.0 (0.63)	56.8 (2.24)	60.9 (2.40)	2	55
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)	16.0 (0.63)	60.1 (2.37)	66.5 (2.62)	3.2	90
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)	16.0 (0.63)	66.0 (2.60)	77.7 (3.06)	3.2	90
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)	16.0 (0.63)	71.3 (2.81)	83.3 (3.28)	4.8	135
2-1/2S	M63	52.1 (2.05)	54.8 (2.16)	54.8 (2.16)	58.9 (2.32)	52.8 (2.08)	62.0 (2.44)	22.8 (0.90)	73.1 (2.88)	88.6 (3.49)	9.5	270
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)	22.8 (0.90)	73.1 (2.88)	94.2 (3.71)	9.5	270
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)	24.8 (0.98)	99.6 (3.92)	121.9 (4.80)	14.3	405
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)	36.4 (1.44)	117.0 (4.61)	147.8 (5.82)	19	540