



Electroless Nickel Plated Brass

TMC Ordinary, Wet & Hazardous Location Cable Connector

CMP Type TMC Cable Connector suitable for use with Corrugated Interlocked & Continuously Welded Metal Clad (Type MC or MC-HL) or TECK armored and armored & jacketed cables in ordinary, wet & hazardous locations including Class II Division 1 & 2 installations.

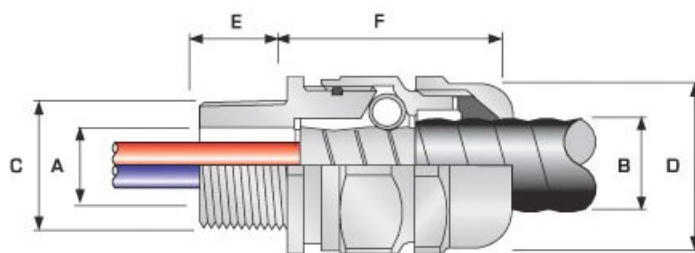
All CMP Cable Connectors are EMC Tested.

The cable connector provides mechanical retention and electrical continuity via the armor termination and an environmental seal on the cable outer jacket. In addition this UL listed cable connector also offers Class I Zone 1, AEx e II certification. The re-usable compression spring feature providing both grounding and gripping functions to the cable armor, allows the cable to be easily disconnected from the equipment, for maintenance and change out etc.

The TMC cable connector offers Nema 4X and IP66 ingress protection and is supplied in Copper free Aluminum, Stainless Steel, or Electroless Nickel Plated Brass. The TMC is available in NPT (standard) and Metric thread forms, and is ATEX and IEC Ex Certified Ex e II, offering a single solution that can be employed in accordance with both NEC and IEC codes of installation.

Features and Benefits:

- Certified to CSA, ATEX (EN) & IECEx Standards
- CMP renowned displacement seal provides NEMA 4X and IP66 levels of ingress protection.
- Additional integral Deluge Proof seal for extra protection in extremely harsh offshore and onshore environments.
- Integral equipment interface "O" ring seal as standard**
- 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
- Only 13 connector sizes required
- Metric option available



Edited with Infix PDF Editor
- free for non-commercial use.

To remove this notice, visit:
www.iceni.com/unlock.htm

14.02.2012 14:06:05

Cable Gland Selection Table

Order Reference (NPT)			Entry Thread "C"	Minimum Thread Length "E"	Cable Armor Diameter "A"				Cable Jacket Diameter "B"		Nominal Assembly Length "F"	Envelope Diameter "D"		Shroud Reference *	
Aluminum	Nickel Plated Brass	Stainless Steel			NPT	End Stop In		End Stop Out		Min		Max	Across Flats		Across Corners
						Min	Max	Min	Max						
TMC050SA	TMC050SNB	TMC050SSS	1/2"	15.0	-	-	8.7	12.8	9.0	14.0	55.9	30.0	33.3	PVC06	
TMC050A	TMC050NB	TMC050SS	1/2"	15.0	9.1	13.0	13.0	17.0	13.0	20.0	55.9	36.1	39.9	PVC09	
TMC075A	TMC075NB	TMC075SS	3/4"	15.0	15.0	19.2	19.2	23.3	17.0	26.3	55.9	40.9	45.5	PVC10	
TMC100A	TMC100NB	TMC100SS	1"	16.0	19.7	24.6	24.6	29.2	23.1	32.2	56.9	49.8	55.4	PVC13	
TMC125A	TMC125NB	TMC125SS	1 1/4"	16.0	27.5	31.2	31.2	35.2	29.5	38.2	56.9	54.9	61.0	PVC16	
TMC150A	TMC150NB	TMC150SS	1 1/2"	16.0	33.5	37.1	37.1	41.1	35.6	44.1	60.2	59.9	66.5	PVC18	
TMC200SA	TMC200SNB	TMC200SSS	2"	16.0	38.3	42.6	42.6	47.1	40.1	51.0	65.5	70.6	77.7	PVC21	
TMC200A	TMC200NB	TMC200SS	2"	16.0	45.0	49.1	49.1	53.0	47.2	56.0	63.2	75.2	83.3	PVC24	
TMC250SA	TMC250SNB	TMC250SSS	2 1/2"	22.9	52.1	54.9	54.9	58.9	52.8	62.0	63.5	79.8	88.6	PVC25	
TMC250A	TMC250NB	TMC250SS	2 1/2"	22.9	57.1	61.1	61.1	64.6	59.1	68.0	64.0	85.1	94.2	PVC27	
TMC300A	TMC300NB	TMC300SS	3"	24.9	64.6	70.5	70.5	75.3	66.6	79.4	90.7	110.0	121.9	PVC32	
TMC350A	TMC350NB	TMC350SS	3-1/2"	36.5	74.0	83.6	83.6	88.5	76.0	97.3	117.1	133.4	147.8	-	
TMC400A	TMC400NB	TMC400SS	4"	36.5	-	-	88.9	102.1	94.0	107.2	194.6	134.1	148.3	-	

Dimensions are displayed in millimeters unless otherwise stated

*CMP SOLO LSF Halogen Free Shrouds also available on request.

Order Reference (NPT)			Entry Thread "C"	Minimum Thread Length "E"	Cable Armor Diameter "A"				Cable Jacket Diameter "B"		Nominal Assembly Length "F"	Envelope Diameter "D"		Shroud Reference *	
Aluminum	Nickel Plated Brass	Stainless Steel			NPT	End Stop In		End Stop Out		Min		Max	Across Flats		Across Corners
						Min	Max	Min	Max						
TMC050SA	TMC050SNB	TMC050SSS	1/2"	0.590	-	-	0.342	0.503	0.354	0.550	2.20	1.18	1.31	PVC06	
TMC050A	TMC050NB	TMC050SS	1/2"	0.590	0.360	0.510	0.510	0.669	0.510	0.787	2.20	1.42	1.57	PVC09	
TMC075A	TMC075NB	TMC075SS	3/4"	0.590	0.591	0.756	0.756	0.917	0.669	1.035	2.20	1.61	1.79	PVC10	
TMC100A	TMC100NB	TMC100SS	1"	0.630	0.775	0.969	0.969	1.150	0.910	1.268	2.24	1.96	2.18	PVC13	
TMC125A	TMC125NB	TMC125SS	1 1/4"	0.630	1.083	1.228	1.228	1.386	1.161	1.504	2.24	2.16	2.4	PVC16	
TMC150A	TMC150NB	TMC150SS	1 1/2"	0.630	1.320	1.461	1.461	1.618	1.402	1.736	2.37	2.36	2.62	PVC18	
TMC200SA	TMC200SNB	TMC200SSS	2"	0.630	1.508	1.677	1.677	1.854	1.579	2.008	2.58	2.78	3.06	PVC21	
TMC200A	TMC200NB	TMC200SS	2"	0.630	1.772	1.933	1.933	2.087	1.858	2.205	2.49	2.96	3.28	PVC24	
TMC250SA	TMC250SNB	TMC250SSS	2 1/2"	0.900	2.052	2.161	2.161	2.320	2.079	2.441	2.50	3.14	3.49	PVC25	
TMC250A	TMC250NB	TMC250SS	2 1/2"	0.900	2.247	2.406	2.406	2.545	2.327	2.677	2.52	3.35	3.71	PVC27	
TMC300A	TMC300NB	TMC300SS	3"	0.980	2.543	2.776	2.776	2.965	2.622	3.126	3.57	4.33	4.80	PVC32	
TMC350A	TMC350NB	TMC350SS	3-1/2"	1.437	2.913	3.291	3.291	3.485	2.992	3.830	4.61	5.25	5.82	-	
TMC400A	TMC400NB	TMC400SS	4"	1.437	-	-	3.500	4.020	3.700	4.220	7.66	5.28	5.84	-	

Dimensions are displayed in inches unless otherwise stated

*CMP SOLO LSF Halogen Free Shrouds also available on request.



Edited with Infix PDF Editor
- free for non-commercial use.

To remove this notice, visit:
www.iceni.com/unlock.htm

14.02.2012 14:06:05

TECHNICAL DATA

CSA Approval Certificate No.	1129339
CSA Code of Protection Category	Class II Div 1 & 2 Groups EFG, Class III Div 1 & 2, Class I Zone 1 Ex e II, Enclosure Type 3, 4 and 4X
CSA Compliance Standards	CAN/CSA-C22.2 No. 18-92, CSA Std C22.2 No. 25-1966, CSA Std C22.2 No. 174-M1984, CAN/CSA-C22.2 No. 94-M91, CAN/CSA-E60079-0-2001, IEC 60079-0:1998, IEC 60079-1-2004
GOST R Certificate Number	POCC GB.HO06.B00207
GOST R Code of Protection Category	Ex d IIC X / Ex e II X / DIP A21
GOST R Compliance Standards	ГОСТ P 52350.0-2005, ГОСТ P 52350.1-2005, ГОСТ P 52350.7-2005, ГОСТ МЭК 61241-1-1-99
GOST GGTN Permit	PPC 00-40706
GOST K Certificate Number	KZ 75000361 01 01 14761
Lloyds Approval No.	01/00172
DNV Approval No.	E-10496
ABS Approval No.	01-LD234401A/2-PDA
RETIE Approval Number	03866
Type	TMC
Design Specification	UL 514B, UL 886, IEC 60079-0, IEC 60079-7
ATEX Certification Detail	SIRA07ATEX1122X
ATEX Code of Protection Category	ATEX  Ex II 2 GD, Ex e II, Ex tD A21 IP66
ATEX Compliance Standards	EN 60079-0, EN 60079, EN 60079-7, EN IEC 61241-0, EN IEC 61241-1
IEC Ex Certification Detail	IECEx SIR 07.0083X
IEC Ex Code of Protection Category	Ex e II, Ex tD A21 IP66
IEC Ex Compliance Standards	IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1
Continuous Operating Temperature	-60°C to +130°C
Ingress Protection Rating	IP66
Nema Rating	NEMA 4X
Cable Connector Material	Copper Free Aluminum (<0.4%), Electroless Nickel Plated Brass, Stainless Steel
Seal Material	CMP SOLO LSF Thermoplastic Elastomer
Cable Type	Corrugated & Interlocked Metal Clad Armor (MC) or TECK, Continuously Welded Metal Clad Armor (MCHL)
Armour Clamping	Earth Continuity in Contact With Metal Clad Armor
Sealing Technique	CMP Unique Displacement Seal Concept
Sealing Area(s)	Cable Outer Jacket
Accessories	Adaptor/Reducer , Earth Tag , Locknut , Serrated Washer , Entry Thread Seal , Shroud

**Integral equipment interface "O" Ring seal supplied as standard only with aluminum versions.

Please note the following installation requirements: 1) Where explosion proof enclosures are being used the TMC must be installed with an approved pouring or compound sealing fitting. In Division 2 locations 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.



Edited with **Infix PDF Editor**
- free for non-commercial use.

To remove this notice, visit:
www.iceni.com/unlock.htm

14.02.2012 14:06:05