



## ALUMINUM CABLE CONNECTORS

CLENCHER®

CMCXA

Class I, Div. 1 &amp; 2, Groups A, B, C, D

Class I, Zone 1, AEx d IIC

Class I, Zone 1, AEx e II

Class II, Div. 1 &amp; 2, Groups E, F, G

Class III

Suitable for wet locations

Types 3, 4, 4X

IP66



## Materials

- Copper free aluminum (less than 4/10 of 1%)

## Operating Temperature Range

- -50°C to +60°C

## FEATURES-SPECIFICATIONS

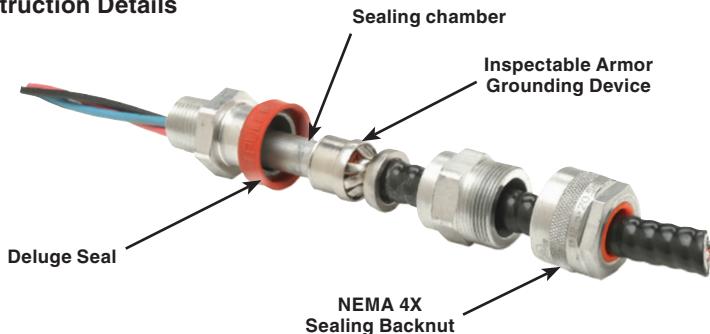
## Applications

Designed for use with jacketed interlocked and continuously welded/corrugated armor cable where it is necessary to provide a complete gas block/explosion proof seal to the cable, plus a NEMA 3, 4, 4X connection. Example: TECK® or MC-HL type cable. Use outdoors or indoors.

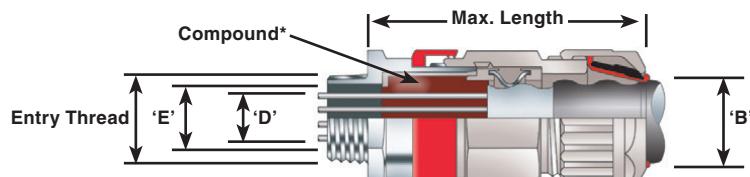
## Features

- Provides 360° armor grounding which is fully inspectable.
- Grounding Device remains in contact with cable when disassembled for inspection.
- Provides a barrier seal between the individual insulated cores within the cable and prevents entry of the products of an explosion into the cable.
- Assembly of the cable gland compresses and distributes the compound evenly to create a barrier seal at the point of entry into the enclosure

## Construction Details



CATALOG NUMBER	SIZE REF.	ENTRY THREAD SIZE		CABLE ACCEPTANCE DETAILS						MAX. LENGTH	HEXAGON DIMENSIONS		
		NPT SIZE	METRIC	INNER SHEATH/ CORES			OUTER JACKET 'B'				ACROSS FLATS	ACROSS CORNERS	
				'D'	MAX. OVER CORES	MIN.	MAX.	MAX. NO. OF CORES	MIN.				
CMCXAA050	A	1/2"	M20	0.43"	0.41"	0.64"		10	0.49"	0.80"	2.95"	1.375"	1.50"
CMCXAB075	B	3/4"	M25	0.64"	0.49"	0.93"		21	0.66"	1.02"	3.20"	1.625"	1.75"
CMCXAC100	C	1"	M32	0.86"	0.85"	1.23"		42	0.87"	1.29"	3.54"	2.00"	2.13"
CMCXAC2125	C2	1 1/4"	M40	1.04"	1.17"	1.59"		60	1.10"	1.61"	3.73"	2.375"	2.53"
CMCXAD150	D	1 1/2"	M50	1.46"	1.37"	1.96"		80	1.42"	2.07"	5.08"	2.55"	2.83"
CMCXAD200	D	2"	M50	1.46"	1.37"	1.96"		80	1.42"	2.07"	5.08"	2.55"	2.83"
CMCXAE250	E	2 1/2"	M63	1.88"	1.76"	2.55"		100	1.81"	2.57"	5.11"	3.15"	3.46"
CMCXAF300	F	3"	M75	2.32"	2.29"	2.98"		120	2.24"	3.07"	4.88"	3.74"	4.00"
CMCXAH350	H	3 1/2"	M90	2.79"	2.92"	3.47"		120	3.18"	3.52"	5.02"	4.19"	4.53"

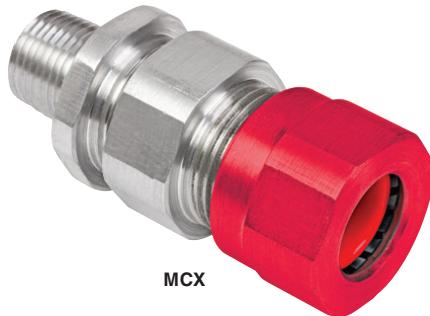




MCX SERIES

# FITTINGS

## ALUMINUM CABLE CONNECTORS

**CLENCHER®**


MCX

Class I, Div. 1 & 2, Groups A, B, C, D  
 Class II, Div. 1 & 2, Groups E, F, G  
 Class III  
 Class I, Zones 1 & 2, Group IIC, Zone 20  
 Suitable for wet locations  
 Types 3, 4  
 IP66



### FEATURES-SPECIFICATIONS

#### Applications

Designed for use with jacketed interlocked, continuously corrugated and welded armor cable (all types shown in chart below). Install where it is essential to provide positive grounding to the cable with a complete gas block/explosion proof seal. Also for a Type 3,4 connection.

#### Features

- 360° armor grounding spring is reusable.
- Robust threads and world class seal enables easy installation with minimal torque required.
- Provides a barrier seal between the individual insulated cores within the cable and prevents entry of the products of an explosion into the cable.
- Assembly of the cable gland compresses and distributes the compound evenly to create a barrier seal at the point of entry into the enclosure.

- Provides cable retention and a low smoke and fume, zero halogen seal onto the cables outer sheath.
- Design meets and exceeds third party requirements for cable retention
- Provides sealing back nut plus inner o-ring seal to prevent moisture ingress to the cable armor and enclosure
- Copper free aluminum construction for harsh, corrosive and hazardous duty
- Back nut is RED to indicate HAZARDOUS area product.

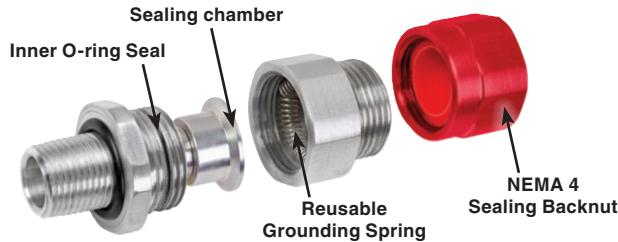
#### Materials

- Body – Copper free aluminum (less than 4/10 of 1%)
- Ground Spring – Stainless Steel
- Backnut Seal – Thermoplastic elastomer (silicone)
- Backnut Clamp – Nylon
- Inner and Outer O-rings – Nitrile

#### Operating Temperature Range

- -50°C to +60°C

#### Construction Details



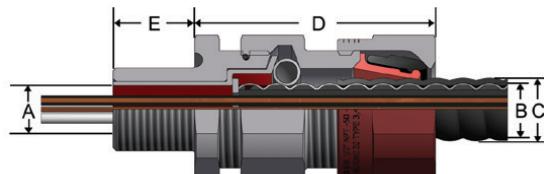
#### SUITABLE ARMORED/METAL CLAD CABLE TYPES

AC-	AC90, ACWU90, AC90-HL, ACWU90-HL, ACG90, ACGWU90
MC-	MCC, MCI, MCI-A, MC-HL
RA-	RA90, RA90-HL
TECK-	TECK90, TECK90-HL

CATALOG NUMBER	ENTRY THREAD SIZE (NPT)	CABLE ACCEPTANCE DETAILS						MAX LENGTH 'D'	NPT LENGTH 'E'	HEXAGON DIMENSIONS			
		MAX NUMBER OF CORES	THROUGH DIAMETER 'A'	ARMOR DIAMETER 'B'		DIAMETER 'C'				ACROSS FLATS	ACROSS CORNERS		
				MIN.	MAX.	MIN.	MAX.						
MCX1C	1/2"	10	0.48" (12.2)	0.52" (13.2)	0.74" (18.8)	0.60" (15.2)	0.82" (20.8)	2.4" (61)	0.83" (21.1)	1.42" (36)	1.50" (38.1)		
MCX2	3/4"	21	0.71" (18.1)	0.65" (16.5)	0.95" (24.1)	0.73" (18.5)	1.03" (26.2)	2.6" (66)	0.84" (21.3)	1.61" (41)	1.69" (42.9)		
MCX3	1"	42	0.96" (26.4)	0.89" (22.6)	1.23" (31.2)	0.97" (24.6)	1.31" (33.3)	2.7" (69)	1.03" (26.2)	1.97" (50)	2.13" (254.1)		
MCX4	1 1/4"	73	1.16" (29.5)	1.15" (29.5)	1.48" (37.6)	1.23" (31.2)	1.56" (39.6)	3.2" (81)	1.05" (26.7)	2.36" (60)	2.50" (63.5)		

Cable armor diameter and cable jacket diameter refer to the dimensions across the crest.

\*For metric sizes, consult factory.


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