

Listing #: E115595

Report #: 15708A

Original Certification Date: April 20, 2023

Revised Certification Date: June 9, 2025

This Certification is issued to:

CCG Cable Terminations (Pty) Ltd
33-37 Forge Road, Spartan Industrial Area
Kempton Park, 1619
South Africa

Stating that the product(s):

Range of Cable Glands

A2EX, A2F, A2F-R, A2EX~QS (VX), A2FX, A2FX-R, A2F-VX, A2F-F-VX, VARITEx-D, VARITEx-D-VX, UNITEEx-D, UNITEEx-E, UNITEEx-F, UNITEEx-F QS (VX), UNITEEx QS (VX), TMC, TMCX, Ex CORROSION GUARD, and Ex CG~QS (VX)

Achieved Certification to the following standard(s):

UL 60079-0 (Edition 7) 2019 rev 2020, UL 60079-1 (Edition 7) 2015, UL 60079-7 (Edition 5) 2017, UL 60079-15 (Edition 5) 2020, UL 60079-31 (Edition 2) 2015
UL 514B (Edition 6) 2012, UL 2225 (Edition 4) 2013, UL 121201 (Edition 9) 2017
CSA C22.2 No. 60079-0: 2019, CSA C22.2 No. 60079-1: 2016, CSA C22.2 No. 60079-7: 2016, CSA C22.2 No. 60079-15: 2018, CSA C22.2 No. 60079-31: 2015
CSA C22.2 No. 18.3: 2012, CSA C22.2 No. 174: 2018, CSA C22.2 No. 213: 2017

For product marking and installation requirements, please refer to the applicable sections within this certificate.



Hazardous Location Marking Code : **A2EX, A2F, A2F-R, A2EX-QS (VX), A2FX, A2FX-R, A2F-VX, A2F-F-VX, VARITEx-D, VARITEx-D-VX**

Class I Division 1 Gr ABCD (A2F-F-VX only)

Class I Division 2 Gr ABCD

Class II Division 1 Gr EFG (A2F-F-VX only)

Class II Division 2 Gr FG

Class III Division 1 (A2F-F-VX only)

Class III Division 2

Class I Zone 1 AEx db IIC Gb (A2F-F-VX only)

Ex db IIC Gb

Class I Zone 1 AEx eb IIC Gb / Ex eb IIC Gb

Zone 20 AEx ta IIIC Da / Ex ta IIIC Da

Class I Zone 2 AEx nR IIC Gc / Ex nR IIC Gc

IP66/67/68 – Metric Threads (Gaskets),
IP65 – NPT Threads (no gaskets). Type 4X

UNITEx-D, UNITEx-E, UNITEx-F, UNITEx-F QS (VX), UNITEx QS (VX)

Class I Division 1 Gr ABCD (UNITEx-F QS (VX) only)

Class I Division 2 Gr ABCD

Class II Division 1 Gr EFG (UNITEx-F QS (VX) only)

Class II Division 2 Gr FG

Class III Division 1 (UNITEx-F QS (VX) only)

Class III Division 2

Class I Zone 1 AEx db IIC Gb (UNITEx-F QS (VX) only)

Ex db IIC Gb (Not UNITEx-E or UNITEx-F)

Class I Zone 1 AEx eb IIC Gb / Ex eb IIC Gb

Zone 20 AEx ta IIIC Da / Ex ta IIIC Da

Class I Zone 2 AEx nR IIC Gc / Ex nR IIC Gc

IP66/67/68 – Metric Threads (Gaskets),
IP65 – NPT Threads (no gaskets). Type 4X

Ex CORROSION GUARD, and Ex CG~QS(VX)

Class I Division 2 Gr ABCD

Class II Division 2 Gr FG

Class III Division 2

Ex db IIC Gb

Class I Zone 1 AEx eb IIC Gb / Ex eb IIC Gb

Zone 20 AEx ta IIIC Da / Ex ta IIIC Da

Class I Zone 2 AEx nR IIC Gc / Ex nR IIC Gc

IP66/67/68 – Metric Threads (Gaskets). Type 4X

TMC, TMCX

Class I Division 1 Gr ABCD (TMCX only)

Class I Division 2 Gr ABCD

Class II Division 1 Gr EFG (TMCX only)

Class II Division 2 Gr FG

Class III Division 1 (TMCX only)

Class III Division 2

Class I Zone 1 AEx db IIC Gb / Ex db IIC Gb (TMCX only)

Class I Zone 1 AEx eb IIC Gb / Ex eb IIC Gb

Zone 20 AEx ta IIIC Da / Ex ta IIIC Da

Class I Zone 2 AEx nR IIC Gc / Ex nR IIC Gc

IP66/67/68 – Metric Threads (Gaskets), IP65 – NPT Threads (no gaskets). Type 4X

Rated service temperature range
(°C)

A2EX, A2F, A2F-R, A2EX~QS (VX), A2FX, A2FX-R, A2F-VX, A2F-F-VX, VARITEx-D, VARITEx-D-VX

EPDM seals & HDPE gaskets/skid rings: (-60°C and +95°C)

EPDM seals & Nylon gaskets/skid rings: (-60°C and +100°C)

Silicone seals & PTFE gaskets/skid rings: (-60°C and +160°C)

Quickstop (QS) or Vortex resin (VX), when used with all seals & gaskets/skid ring:
(-20°C and +95°C) A2F-F-VX only

(-50°C and +95°C) A2EX~QS(VX), A2F-VX, VARITEx-D-VX

(-50°C and +95°C) A2F-F-VX other than Div 1 / AEx db/Ex db.

UNITEx-D, UNITEx-E, UNITEx-F, UNITEx-F QS (VX), UNITEx QS (VX)

Quickstop (QS) or Vortex (VX) resin, when used with all seals & gaskets/skid rings:
(-20°C and +95°C) UNITEx-F QS (VX)

(-50°C and +95°C) UNITEx QS (VX)

(-50°C and +95°C) UNITEx-F QS (VX) other than Div 1 / AEx db/ Ex db

EPDM seals & HDPE gaskets/skid rings: (-60°C and +95°C)

EPDM seals & Nylon gaskets/skid rings: (-60°C and +100°C)

Silicone seals & PTFE gaskets/skid rings: (-60°C and +160°C)

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|---|---|
| Rated service temperature range (°C) | <p>Ex CORROSION GUARD, and Ex CG~QS(VX)</p> <p>Quickstop (QS) or Vortex resin (VX), when used with all seals & gaskets/skid rings: (-50°C and +95°C)</p> <p>EPDM seals & HDPE gaskets/skid rings: (-60°C and +95°C)</p> <p>EPDM seals & Nylon gaskets/skid rings: (-60°C and +100°C)</p> <p>Silicone seals & PTFE gaskets/skid rings: (-60°C and +160°C)</p> <p>The corrosion guard is not an essential part of the explosion protection. The corrosion guard material has a Relative Temperature Index (RTI) of 120°C, UL 746C f1, <1Gohm.</p> |
| | <p>TMC</p> <p>EPDM seals & HDPE gaskets/skid rings: (-60°C and +95°C)</p> <p>EPDM seals & Nylon gaskets/skid rings: (-60°C and +100°C)</p> <p>Silicone seals & PTFE gaskets/skid rings: (-60°C and +160°C)</p> |
| | <p>TMCX</p> <p>When used with all seals & gaskets/skid rings:</p> <p>(-20°C and +95°C) Div 1 / AEx db</p> <p>(-50°C and +95°C) other than Div 1 / AEx db</p> |



Nehemya Cohen
Certification Officer,
Eurofins Electrical and Electronic Testing North America, LLC

All changes proposed in the previously identified product that affects the above information must be submitted to Eurofins for evaluation prior to implementation to assure continued MET Certification status. The covered product(s) shall be subject to follow-up inspections to ensure that the Certified product(s) are identical to the product sample evaluated by Eurofins E&E NA and that all responsibilities are being fulfilled as specified in the Applicants' Responsibility section of the Certification Report. The Applicant named above has been authorized by Eurofins E&E NA to represent the product(s) listed in this record as "MET Certified" and to mark this/these product(s) according to the terms and conditions of the Eurofins E&E NA Applicant Contract, Listing Reports, and the applicable agreements. Only the product(s) bearing the MET Mark and under a follow-up service are considered to be included in this Certification program. This certification has been granted under a System 3 program as defined in ISO/IEC 17067.

Eurofins/MET is the first Nationally Recognized Testing Laboratory (NRTL) in the United States for testing and certifying products to UL safety standards.