TYPE APPROVAL CERTIFICATE

Certificate no.:
TAE0000010
Revision No:
2

This is to certify:

that the Cable Gland

with type designation(s)
A2EX, A2EX-FHC, A2F, A2F-R, A2FH, A2FH-R, A2FX, A2FX-R, A2F-HTF, ARMORTEX, CWe, CXe, D1EX, E1EX, E1EX-Lead Seal, E1EX~QS, E1EX-U, EX CG, EX CG – Lead Seal,, FLP, FLP-Hose, FLP-H-R, FLP-TR, FLP-TR-R, POSI GRIP, UNITEx-VX, UNITEx-D, UNITEx-E, UNITEx-F UNITEx-F~QS, POSI GRIP-VX, VARITEX, VARITEX SWA, VARITEx-D, VARITEx-D-VX.

issued to
CCG Cable Terminations Ltd.
Middlesbrough, **United Kingdom**

is found to comply with
DNV rules for classification – Ships, offshore units, and high speed and light craft

Application:

Cable glands for electric installation in hazardous area.

Products approved by this certificate are accepted for installation on all vessels classed by DNV.

Type	Material	Suitable for open deck	Suitable for Hazardous areas
A2EX, A2EX-FHC, A2F, A2F-R, A2FH, A2FH-R, A2FX, A2FX-R, A2F-HTF, ARMORTEX, CWe, CXe, D1EX, E1EX, E1EX-Lead Seal, E1EX~QS, E1EX-U, EX CG, EX CG – Lead Seal,	**Metal**	**Yes**	**Yes**
FLP, FLP-Hose, FLP-H-R, FLP-TR, FLP-TR-R, POSI GRIP, UNITEx-VX, UNITEx-D, UNITEx-E, UNITEx-F UNITEx-F~QS, POSI GRIP-VX, VARITEX, VARITEX SWA, VARITEx-D, VARITEx-D-VX.	**Metal**	**Yes**	**Yes**

Issued at **Høvik** on **2026-02-12**

This Certificate is valid until **2030-10-13**.
DNV local unit: **Newcastle-upon-Tyne**

Approval Engineer: **Bennet Toke Aertebjerg Nielsen**

for **DNV**

This document has been digitally signed and will therefore not have handwritten signature

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Product description

Cable glands for electric installation in hazardous area

Type	**A2EX *,**,***
Application	The A2EX cable gland is used in explosive atmospheres to terminate unarmoured cables into enclosures. It has an inner seal that seals against the cable and a second seal that provides superior cable retention. The A2EX cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress protection	IP66, IP67, IP68
Gland material	Brass, nickel plated brass or stainless steel, aluminium
Seal material	Thermoset elastomer
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 110.
Data sheet	0536A2EX, GH160425E, Accessories AC010424
Assembly drawing No.	0536-ASSY Rev. 10
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**A2EX-FHC *,**,***
Application	The A2EX cable gland is used in explosive atmospheres to terminate unarmoured cables housed in conduit into enclosures. It has an inner seal that seals against the cable and a second seal that provides superior cable retention. The A2EX-FHC cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress protection	IP66, IP67, IP68
Gland material	Nickel plated brass.
Seal material	Thermoset elastomer
Gland sizes	16ss, 20ss, 20s, 20, 25, 32, 40, 50, 63, 75.
Data sheet	0537A2EXFHC, GH090425E, Accessories AC010424
Assembly drawing No.	0537-ASSY Rev. 7
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**A2F**
Application	The A2F cable gland is used in explosive atmospheres to terminate unarmoured cables into enclosures. The A2F cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress protection	IP66, IP67, IP68
Gland material	Brass, nickel plated brass or stainless steel
Seal material	Thermoset elastomer
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 110, 120, 130.
Data sheet	0541A2F, GH030725E, Accessories AC010424
Assembly drawing No.	0541-ASSY Rev. 8
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**A2F-R**
Application	The A2F-R cable gland is the same as the A2F cable gland except that the outer seal nut is internal rather than external.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress protection	IP66, IP67, IP68
Gland material	Brass, nickel plated brass or stainless steel
Seal material	Thermoset elastomer
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 110, 120, 130.
Data sheet	0590A2F-R, GH170425E, Accessories AC010424
Assembly drawing No.	0590-R ASSY Rev 4
Optional accessories	Earth tag, locknut, serrated washer, shroud.

	A2F-H
Application	The A2F-H cable gland is the same as the A2F cable gland except that it has a tail to which a hose can be connected to protect the cable. The A2F-H cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress protection	IP66, IP67, IP68
Gland material	Brass (marine grade nickel plated), Stainless Steel or Aluminium
Seal material	Thermoset elastomer
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 110, 120, 130.
Data sheet	0449A2FH_HMG260625E, Accessories AC010424
Assembly drawing No.	0549-ASSY Rev. 6
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**A2F-H-R**
Application	The A2F-H-R cable gland is the same as the A2F-H cable gland except that the outer seal nut / hose connection is internal rather than external.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress protection	IP66, IP67, IP68
Gland material	Brass, nickel plated brass or stainless steel
Seal material	Thermoset elastomer
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 110, 120, 130.
Data sheet	0497A2F-H-R_HMG100425E, Accessories AC010424
Assembly drawing No.	0497-H-R ASSY Rev. 2
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**A2FX**
Application	The A2FX cable gland is a double-seal cable gland used in explosive atmospheres to terminate unarmoured cables into enclosures. It has an inner seal that seals against the cable and a second seal that provides superior cable retention. The A2FX cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress protection	IP66, IP67, IP68
Gland material	Brass, nickel plated brass, stainless steel or aluminium
Seal material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 110.
Data sheet	0542A2FX, GH160513E, Accessories AC010424
Assembly drawing No.	0542 ASSY Rev. 8
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**A2FX-R**
Application	The A2FX-R cable gland is the same as the A2FX cable gland except that the outer seal nut is internal rather than external.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress protection	IP66, IP67, IP68
Gland material	Brass, nickel plated Brass, Stainless steel or Aluminium
Seal material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 110.
Data sheet	0577A2FXR_HMG100425E, Accessories AC010424
Assembly drawing No.	0577-R-ASSY Rev. 8
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**A2F-HTF**
Application	The A2F-HTF cable gland is used in explosive atmospheres to termina Heat trace cables into enclosures. The A2F-HTF cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress protection	IP66, IP67, IP68
Gland material	Brass, nickel plated Brass or Stainless steel
Seal material	Thermoset elastomer
Gland sizes	20, 25
Data sheet	0450A2FHTF, GH150425E, Accessories AC010424
Assembly drawing No.	0450-ASSY Rev. 1
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**ARMORTEX *,****
Application	The ARMORTEX cable gland is used in explosive atmospheres to terminate SWA cables into enclosures. It has an inner seal that seals against the cable bedding and a second seal that seals against the outer sheath. The ARMORTEX cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress protection	IP66, IP67, IP68
Gland material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75.
Data sheet	0522AmorTEx_HMG140420, Accessories AC010424
Assembly drawing No.	0522- ASSY Rev. 5
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**CWe**
Application	The CWe cable gland is used in explosive atmospheres to terminate SWA cables into enclosures. It has a seal that acts against the outer sheath of the cable. The CWe cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 115, 130.
Data sheet	0557CWe_GH170425E, Accessories AC010424
Assembly drawing number	055700-16-055713 Rev. 4
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**CXe**
Application	The CXe cable gland is used to terminate braided cables into enclosures. It has a seal that acts against the outer sheath of the cable. The CXe cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 115, 130.
Data sheet	0570CXe_GH190425E, Accessories AC010424
Assembly drawing number	0570-00-16-05710 Rev. 6
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**D1EX *,****
Application	The D1EX cable gland is used in explosive atmosphere to terminate SWA cables into enclosures. It has an inner seal that seals against the cable bedding. The D1EX cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 115, 130.
Data sheet	0519D1EX_GH150425, Accessories AC010424
Assembly drawing number	0519 -ASSY Rev. 7
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**E1EX *,**,*****
Application	The E1EX cable gland is used in explosive atmospheres to terminate SWA cables into enclosures. It has seals that act against the inner bedding and outer sheath of the cable. The E1EX cable gland has a deluge seal and is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with optional high temperature seals)
Ingress protection	IP66, IP67, IP68
Gland material	Brass (marine grade nickel plated), Stainless Steel or Aluminium
Seal material	Thermoset elastomer (silicone for high temperature seal option)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 115, 130.
Data sheet	0523E1EX_GH150425E, Accessories AC010424
Assembly drawing No.	0523 – ASSY Rev. 5
Optional accessories	Earth tag, locknut, serrated washer, pvc shroud.

Type	**E1EX-Lead Seal**
Application	The E1EX-Lead Seal cable gland is used in explosive atmospheres to terminate SWA cables with lead inner bedding into enclosures. It has an inner seal that act against the lead bedding and maintains continuity plus a seal that acts on the outer sheath of the cable. The E1EX-Lead Seal cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Inner seal – lead. Outer seal - thermoset elastomer
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 115, 130.
Data sheet	0523E1EXLS_GH010725E, Accessories AC010424
Assembly drawing number	0523 LS – ASSY Rev. 5
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**E1EX-U *,**,***
Application	The E1EX-U cable gland is used in explosive atmospheres to terminate armoured cables or cables with braid or tape screens into enclosures. It has seals that act against the inner bedding and outer sheath of the cable. The E1EX-U cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress protection	IP66, IP67, IP68
Gland material	Brass (marine grade nickel plated), Stainless Steel or Aluminium
Seal material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20ss, 20s, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100.
Data sheet	0571E1EX-U HMG290725E, Accessories AC010424
Assembly drawing No.	0571 - ASSY Rev. 6
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**EX CG **,***
Application	The EX-CG cable gland is used in explosive atmospheres to terminate armoured cables into enclosures. It has seals that act against the inner bedding and the outer sheath of a cable. It is for use in highly corrosive and / or wet environments. The EX-CG cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-20° C to +95° C
Ingress protection	IP66, IP67 IP68
Gland material	Nickel plated brass with a screw-on sheath made from PBT
Seal material	Thermoset elastomer
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100.
Data sheet	0547EXCG GH150425E, Accessories AC010424
Assembly drawing No.	0547 – ASSY Rev. 9
Optional accessories	Earth tag, locknut, serrated washer.

Type	**EX CG –LS (Lead Seal)**
Application	The EX-CG Lead Seal cable gland is used in explosive atmospheres to terminate armoured cables with lead inner bedding into enclosures. It has an inner seal that act against the lead bedding and maintains continuity plus a seal that acts on the outer sheath. The EX-CG Lead Seal cable gland is for use in highly corrosive and / or wet environments and is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	ATEX
Operating temperature	-30° C to +180° C
Ingress protection	IP66, IP67 IP68
Gland material	Nickel plated brass with a screw-on sheath made from PBT
Seal material	Thermoset elastomer
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s.
Data sheet	0547EXCG-LS GH170425E, Accessories AC010424
Assembly drawing No.	0547-CG-LS-ASSY Rev. 3
Optional accessories	Earth tag, locknut, serrated washer.

Type	**FLP *,****
Application	The FLP cable gland is used in explosive atmospheres to terminate armoured cables into enclosures. It has a seal that acts against the cable sheath. The FLP cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75.
Data sheet	0521FLP_HMG100425E, Accessories AC010424
Assembly drawing number	0521- ASSY Rev. 5
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**FLP-Hose *,****
Application	The FLP-Hose cable gland is used in explosive atmospheres to terminate unarmoured cables into enclosures. It has a seal that acts against the cable sheath and a tail to which a hose can be connected to protect the cable. The FLP-Hose cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75.
Data sheet	0527FLPHOSE_HMG140420, Accessories AC010424
Assembly drawing number	0527- HOSE ASS Rev. 5
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**FLP-H-R**
Application	The FLP-H-R cable gland is the same as the FLP-Hose cable gland except that the outer seal nut / hose tail is internal rather than external. The FLP-H-R cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75.
Data sheet	FLPRHOSE_HMG050625, Accessories AC010424
Assembly drawing number	0524-R- HOSE ASSY Rev. 0
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	FLP-TR *,**
Application	The FLP-TR cable gland is used in explosive atmospheres to terminate unarmoured cables into enclosures. It has a seal that seals against the cable sheath and a second seal that provides superior cable retention. The FLP-TR cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75.
Data sheet	0524FLPTR_HMG140420, Accessories AC010424
Assembly drawing number	0524- ASSY Rev. 5
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	FLP-TR-R
Application	The FLP-TR-R cable gland is the same as the FLP-TR cable gland except that the outer seal nut is internal rather than external. The FLP-TR-R cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75.
Data sheet	FLPTR_HMG260625, Accessories AC010424
Assembly drawing number	0524-R- ASSY Rev. 0
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	POSI GRIP ***
Application	The POSI GRIP cable gland is used in highly corrosive explosive atmospheres to terminate unarmoured cables into enclosures. The POSI GRIP cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	ATEX
Operating temperature	-20° C to +95° C
Ingress protection	IP66, IP67 IP68
Gland material	Brass encapsulated in glass reinforced polyester (PBT).
Seal material	Thermoset elastomer
Gland sizes	20ss, 20s, 20, 25, 32, 40, 50, 63, 75, 80, 90, 100, 110.
Data sheet	0545POSIGRIP-GH100425, Accessories AC010424
Assembly drawing No.	0545–ASSY Rev. 5
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**UNITEx-VX ****
Application	The UNITEx-VX barrier cable gland is used in explosive atmospheres to terminate cables with braid or SWA armours into enclosures. It uses a liquid resin barrier material to seal against the conductors and a standard seal that acts against the outer sheath. The UNITEx-VX cable gland has a deluge seal and is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-50°C to +100°C (to +120°C with high temperature seals)
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 115, 130.
Data sheet	0559UNITExVX-OMG250525E, Accessories AC010424
Assembly drawing number	0559-ASSY Rev. 7
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**UNITEx-D *****
Application	The UNITEx-D cable gland is used in explosive atmospheres to terminate cables with braid or SWA armours into enclosures. It has seals that act against the cable bedding and outer sheath. The UNITEx-D cable gland has a deluge seal and is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX & others
Operating temperature	-60°C to +100°C (to +160°C with high temperature seals)
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer (silicone for high temperature seals)
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 115, 130.
Data sheet	0554UNITEX_D_GH230425E, Accessories AC010424
Assembly drawing number	0554-ASSY Rev. 2
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**UNITEx-E**
Application	The UNITEx-E cable gland is used in explosive atmospheres to terminate cables with braid or SWA armours into enclosures. It has an IP only seal that acts against the cable bedding and a standard seal that acts against the outer sheath. The UNITEx-E cable gland has a deluge seal and is supplied with a sealing washer as standard. It is suitable for use with cables at risk of coldflow.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel
Seal Material	Thermoset elastomer
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 115, 130.
Data sheet	0591UNITEx_OMG100425E, Accessories AC010424
Assembly drawing number	0591-ASSY Rev. 5
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**UNITEx-F**
Application	The UNITEx-F cable gland is used to terminate cables with braid or SWA armours into enclosures. It has an IP only seal that acts against the cable bedding and a standard seal that acts against the outer sheath. The UNITEx-F cable gland has a deluge seal and is supplied with a sealing washer as standard. It is suitable for use with cables at risk of coldflow.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 115, 130.
Data sheet	0510UNITExF_OSM250719NA, Accessories AC010424
Assembly drawing number	0510-ASSY Rev. 5
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**UNITEx-F~QS ***
Application	The UNITEx-F~QS barrier cable gland is used to terminate cables with braid or SWA armours into enclosures. It uses a liquid resin barrier material to seal against the conductors and a standard seal that acts against the outer sheath. The UNITEx-F~QS cable gland has a deluge seal and is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer
Gland sizes	16ss, 20ss, 20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80, 90s, 90, 100, 115, 130.
Data sheet	0587UNITExF_QSTXOSM240719NA, Accessories AC010424
Assembly drawing number	0587-ASSY Rev. 7
Optional accessories	Earth tag, locknut, serrated washer, pvc shroud.

Type	**POSI GRIP VX*** **
Application	The POSI GRIP is an Ex d barrier cable gland and is used in highly corrosive explosive atmospheres to terminate unarmoured cables into enclosures. The POSI GRIP VX cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-20° C to +95° C
Ingress protection	IP66, IP67 IP68
Gland material	Brass encapsulated in glass reinforced polyester (PBT).
Seal material	Thermoset elastomer
Gland sizes	20ss, 20s, 20, 25, 32, 40, 50, 63, 75, 80, 90, 100.
Data sheet	0569 POSIGRIPVX-BG120325, Accessories AC010424
Assembly drawing No.	0569–VX ASSY Rev. 0
Optional accessories	Earth tag, locknut, serrated washer.

Type	**VARITEX**
Application	The VARITEX cable gland is used in explosive atmospheres to terminate copper tape sheathed (VSD) cables into enclosures. It has a seal that acts against the outer sheath of the cable. The VARITEX cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C
Ingress protection	IP66, IP67 IP68
Gland material	Nickel plated brass or stainless steel
Seal material	Thermoset elastomer
Gland sizes	20s, 20, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 63L, 75.
Data sheet	0531VariTex EMC090625E, Accessories AC010424
Assembly drawing No.	0531-VRTX Rev. 5
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**VARITEX-SWA**
Application	The VARITEX-SWA (VRTX-SWA) cable gland is used in explosive atmospheres to terminate copper sheathed (VSD) cables with SWA armours into enclosures. It has seals that act against the cable bedding and outer sheath. The (VRTX-SWA) cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C
Ingress Protection	IP66, IP67, IP68
Gland Material	Brass (marine grade nickel plated), Stainless steel or aluminium
Seal Material	Thermoset elastomer
Gland sizes	20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 63L, 75, 80.
Data sheet	0531VariT_EMC100619, Accessories AC010424
Assembly drawing number	0531-VRTX Rev. 5
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**VARITEX-D**
Application	The VARITEX-D cable gland is used in explosive atmospheres to terminate braid or copper tape sheathed (VSD) cables into enclosures. It has a seal that acts against the outer sheath of the cable. The VARITEX-D cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C
Ingress Protection	IP66, IP67, IP68
Gland Material	Nickel plated Brass or Stainless steel
Seal Material	Thermoset elastomer
Gland sizes	20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80.
Data sheet	0470 VariTexD_OMG230425E, Accessories AC010424
Assembly drawing number	0470 ASSY Rev. 1
Optional accessories	Earth tag, locknut, serrated washer, shroud.

Type	**VARITEX-D-VX**
Application	The VARITEX-D-VX is a barrier version of the VARITEx-D cable gland. The VARITEx-D-VX cable gland is supplied with a sealing washer as standard.
Design Specification	IEC 62444
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C
Ingress Protection	IP66, IP67, IP68
Gland Material	Nickel plated Brass or Stainless steel
Seal Material	Thermoset elastomer
Gland sizes	20s, 20, 25s, 25, 32s, 32, 40s, 40, 50s, 50, 63s, 63, 75s, 75, 80.
Data sheet	0471 VariTexD-VX_OMG120325, Accessories AC010424
Assembly drawing number	0471 ASSY Rev. 2
Optional accessories	Earth tag, locknut, serrated washer, shroud.

'*' Glands also available in the following options:-
(VX) – 'Vortex' glands include a coloured resin barrier material.

'**' Glands also additionally available in the following options:-
(QS) – 'Quickstop' glands include a resin barrier material.

'***' Glands also additionally available in the following options:-
(VS) – fitted with an internal contact disc for use with copper tape (Variable Speed Drive) or lead sheathed cables.

(Note that for the (QS) and (VX) variants the minimum temperature is -50°C and the maximum is 100°C).

Variants of the products listed in this certificate where the core functions and protection systems are unchanged are also covered by the certificate.

Optional accessories	**Adaptors, reducers, unions, couplers, breather drains, plugs for use in explosive atmospheres.**
Application	ADAPTORS & REDUCERS are used to change a thread size or type. UNIONS & COUPLERS are used to change a thread to a thread of the opposite gender. The thread can also change size / type. INSULATED ADAPTORS / REDUSERS are used to provide electrical isolation. 90° fixed and adjustable ADAPTORS and 90° or 45° swivel ADAPTORS are used to change the direction of the cable. BREATHER DRAIN PLUGS & ADAPTORS are used to equalise pressure in an enclosure and allow any trapped moisture to escape. HEX HEAD and DOME HEAD PLUGS are used to blank off entry holes. STOPPER PLUGS are used to blank off threaded entry holes. They are secured using an Allan key from the outside (standard type) or the inside (security type) of the enclosure. All of the items listed above are supplied with sealing washers on any metric male threads
Certification	IECEx, ATEX
Operating temperature	-60°C to +100°C
Ingress protection	IP66, IP67, IP68
Material	Brass (marine grade nickel plated), Stainless steel or aluminium

Application/Limitation

Manufacturer's application and assembly instructions to be followed.
The information related to EN certification from recognised test institution is given as information only.

Type Approval documentation

Data sheets and assembly	See each product construction
Type A2EX: Type A2EX-FHC: Type A2F: Type A2F-R: Type A2FH: Type A2FH-R: Type A2FX: Type A2FX-R: Type A2F-HTF: Type EX CG~QS: Type VARITEx-D: Type VARITEx-D-VX:	CML 20ATEX1026 (13 Sept 2024), CML 22ATEX4116 (13 Sept 2024), IECEx CML20.0011 (13 Sept 2024) Test reports GB/CML/ExTR20.0022/00, GB/CML/ExTR20.0121/00, GB/CML/ExTR22.0085/00, GB/CML/ExTR23.0228/00, GB/CML/ExTR24.0198/00.
Type ARMORTEX: Type CWe: Type CXe: Type D1EX: Type E1EX: Type E1EX-Lead Seal: Type E1EX-U: Type EX CG: Type EX CG-Lead Seal: Type FLP: Type FLP Hose: Type FLP-H-R: Type FLP-TR: Type FLP-TR-R: Type UNITEx~QS: Type UNITEx-D: Type UNITEx-E: Type UNITEx-F: Type UNITEx-F~QS: Type VARITEX: Type VARITEX SWA:	CML 16ATEX1001X (18 Jul 2025), CML 16ATEX4002X(18 Jul 2025), IECEx CML 18.0018X (18 Jul 2025) Test reports GB/CML/ExTR18.0020/00, GB/CML/ExTR18.0269/00, GB/CML/ExTR19.0094/00, GB/CML/ExTR19.0171/00, GB/CML/ExTR20.0126/00, GB/CML/ExTR20.0189/00, GB/CML/ExTR21.0087/00, GB/CML/ExTR22.0046/00, GB/CML/ExTR23.0221/00, GB/CML/ExTR25.0041/00, GB/CML/ExTR25.0167/00
Optional accessories:	CML 15ATEX1040X (23 Jun 2023), IECEx CML 16.0062X (23 Jun 2023) Test reports GB/CML/ExTR16.0080/00, GB/CML/ExTR16.0130/00, GB/CML/ExTR19.0166/00, GB/CML/ExTR20.0053/00, GB/CML/ExTR22.0136/00, GB/CML/ExTR23.0055/00

Tests carried out

Type tests according to IEC/EN 60079-0, IEC/EN60079-1, IEC/EN 60079-7, IEC/EN 60079-15, IEC/EN 60079-31, IEC 60529, IEC 61241-1-1, IEC 61241-0

Marking of product

CCG cable termination (PTY) LTD – Type designation – IP rating (when claimed) - According to IECx Certificate of Conformity and /or Atex.

Periodical assessment

The scope of the periodical assessment survey is to verify that the conditions stipulated for the Type approval is complied with and that no alterations are made to the product design or choice of materials.

The main elements of the periodical assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment to be performed at 2 and 3.5 year and at renewal.

END OF CERTIFICATE