

UNITEx-D Ex db IIC, Ex eb IIC, Ex tb IIIC, Ex nR IIC

Captive Component Gland with Variable Deluge Seal for Multi Armoured Cable



Features and Benefits

- For indoors, outdoors, Group II, III, Zone 1, 2, 21 and 22 hazardous areas.
- Two part handling, no loose parts.
- Freely rotating captive cone and inspectible cone ring provides an armour clamp and earth bond on steel wire, aluminium, braid and tape armour.
- Patented disconnect system that allows inspection of armour clamp and inner seal after assembly.
- With a patented Variable Deluge Seal™ as standard.
- Factory fitted with a specially formulated elastomeric seal for Built-in Safety™, seals on the inner and outer sheath of the cable to IP65/66/68.
- Precision manufactured from high-quality brass (Marine Grade Electroless Nickel Plated™) available in stainless steel 316/316L on request.
- Complete with thread sealing gasket.



Technical Data

Type:	UNITEx-D
Gland Material:	Brass (Marine Grade Electroless Nickel Plated™), Stainless Steel 316/316L
Seal Material:	Standard Thermoset Elastomer or Extreme Temperature Seals
Seal Gasket Material:	HDPE, Nylon 66 or PTFE
Cable Type:	Steel Wire, Aluminium, Braided and Tape Armour
Armour Clamping:	Rotating Captive Cone and Inspectible Cone Ring
Sealing Area:	Inner Sheath, Outer Sheath and Variable Deluge Seal™
Optional Accessories:	Adaptor, Reducer, Earth Tag, Locknut, Serrated Washer and Shroud
Note:	The installer should ensure that the materials are suitable for the installation environment.

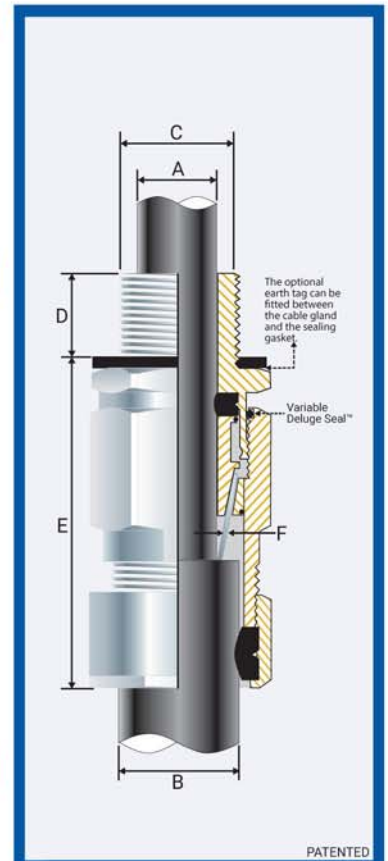
Standards and Certifications

Equipment Protection Levels:	IECEx: Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex tb IIIC Db ATEX: Ⓜ II 2GD, II 3G, Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex tb IIIC Db	
Continuous Operating Temp:	Standard Seals: -60°C to +95°C/100°C (HDPE/Nylon Sealing Gasket) Extreme Temp. Seals: -60°C to +160°C (PTFE Sealing Gasket)	
Conformance:	Standard:	Certificate:
IEC/BS EN	IEC/BS EN 62444, 6121	CML 14CA364
IECEx	IEC 60079 Parts 0, 1, 7, 15, 31	IEC Ex CML 18.0018X
ATEX	EN 60079 Parts 0, 1, 7, 31	CML 16ATEX1001X
	EN 60079 Parts 0, 15	CML 16ATEX4002X
INMETRO (Brazil)	ABNT NBR IEC 60079 Parts 0, 1, 7, 15, 31	TÜV 15.0483X
IP66/68 2m - Parallel	IEC 60529	IEC Ex CML 18.0018X
IP65 - Tapered	IEC 60529	
Deluge Protection	DTS-01	CML 14CA370-2
Corrosion Protection	ASTM B117-11, BS EN ISO 3231	EXOVA N968667
Marine ABS	IEC/EN 60079 Parts 0, 1, 7, 15, 31	ABS 20-SG1952706-PDA
ClassNK	IEC 60079 Part 0, 1, 7, 15, 31	TA20270M
EMC Compatible	EN 55011:2009 + A1:2010, EN 55022:2010	SGS EMC197708/1



Conditions for Safe Use - X

- The cable glands shall only be used where the temperature, at the point of entry, is between -60°C and +95°C (standard seal & HDPE sealing gasket), +100°C (standard seal and Nylon sealing gasket) or +160°C (extreme temp. seal & PTFE sealing gasket) depending on seal and gasket used.
- According to IEC 60079-14, 10.6.2: An Ex d gland will only maintain Ex d integrity when used with substantially round, compact and filled cable. If not a CCG VORTEX® or QuickStop-Ex® barrier gland should be used.



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Captive Component Gland with Variable
Deluge Seal for Multi Armoured Cable

Product Code	Gland Size Reference	Metric Entry Thread		NPT Entry Thread		Cable Detail				Max Length 'E'	Armour Dia		Hexagonal Detail		Install. Torque Value Nm
		'C'	Min 'D'	'C'	Min 'D'	Min 'A'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Crns'	
055400S-16	00s-16ss	M16x1.5	15	-	-	3.0	8.5	5.0	10.5	74.0	0.2	0.9	24.0	27.0	21.0
055400S	00s-20ss	M20x1.5	15	1/2/3/4	15	3.0	8.5	5.0	10.5	74.0	0.2	0.9	24.0	27.0	21.0
055400	00-20ss	M20x1.5	15	1/2/3/4	15	3.0	8.5	8.0	14.0	73.0	0.2	0.9	24.0	27.0	21.0
0554-0S-16	0s-16s	M16x1.5	15	-	-	7.0	12.0	8.0	14.0	70.0	0.2	1.25	24.0	27.0	21.0
0554-0S	0s-20s	M20x1.5	15	1/2/3/4	15	7.0	12.0	8.0	14.0	70.0	0.2	1.25	24.0	27.0	21.0
0554-0	0-20s	M20x1.5	15	1/2/3/4	15	7.0	12.0	11.5	16.0	70.0	0.2	1.25	24.0	27.0	21.0
055401	1-20	M20x1.5	15	1/2/3/4	15	9.0	15.0	12.5	20.5	83.0	0.2	1.25	27.0	30.0	21.0
055422	2s-25s	M25x1.5	15	3/4/1	15/19	11.0	17.5	16.0	24.5	96.0	0.2	1.60	35.0	39.0	30.0
055402	2-25	M25x1.5	15	3/4/1	15/19	14.0	20.0	18.0	27.0	96.0	0.2	1.60	35.0	39.0	30.0
055433	3s-32s	M32x1.5	15	1/1 1/4	19	15.0	22.0	20.0	30.5	111.0	0.2	2.00	42.0	47.0	42.0
055403	3-32	M32x1.5	15	1/1 1/4	19	19.0	26.5	23.0	33.5	111.0	0.2	2.00	42.0	47.0	42.0
055444	4s-40s	M40x1.5	15	1 1/4/1 1/2	19/21	22.0	31.5	26.5	39.0	112.0	0.3	2.00	52.0	59.0	52.0
055404	4-40	M40x1.5	15	1 1/4/1 1/2	19/21	26.0	34.0	28.0	40.0	117.0	0.3	2.00	52.0	59.0	52.0
055455	5s-50s	M50x1.5	15	1 1/2/2	21	29.0	38.0	35.2	47.5	131.0	0.4	2.50	65.0	73.0	57.0
055405	5-50	M50x1.5	15	1 1/2/2	21	34.0	44.5	44.4	52.8	136.0	0.4	2.50	65.0	73.0	57.0
055466	6s-63s	M63x1.5	15	2/2 1/2	21/30	38.0	50.0	45.5	60.5	148.0	0.4	2.50	80.0	90.0	66.0
055406	6-63	M63x1.5	15	2/2 1/2	21/30	44.0	56.5	54.6	65.9	148.0	0.4	2.50	80.0	90.0	66.0
055477	7s-75s	M75x1.5	15	2 1/2/3	30/32	50.0	62.0	59.0	72.5	174.0	0.4	3.15	96.0	108.0	72.0
055407	7-75	M75x1.5	15	2 1/2/3	30/32	56.0	67.5	65.0	78.0	173.0	0.4	3.15	96.0	108.0	72.0
055408	8-80	M80x2.0	20	3	32	59.0	69.0	65.0	77.5	166.0	0.4	3.15	96.0	108.0	80.0
055499	9s-90s	M90x2.0	20	3/3 1/2	32/33	66.0	75.0	73.0	86.5	185.0	0.4	3.50	111.0	125.0	89.0
055409	9-90	M90x2.0	20	3/3 1/2	32/33	74.0	81.5	82.0	91.0	185.0	0.4	3.50	111.0	125.0	89.0
055410	10-100	M100x2.0	20	3 1/2/4	33/34	81.0	91.0	90.0	100.0	204.0	0.4	3.50	125.0	141.0	98.0

All dimensions except NPT are in mm. Intermediate thread sizes are available on request.