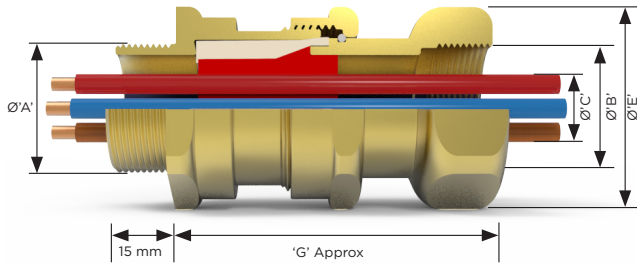




CSB 656N

Flameproof, Increased Safety, Dust Protection and Restricted Breathing
 Certified ATEX / IECEx / UKEX / c CSA us



Features

- Fully inspectable barrier seal provides an Exd seal between the individual cable cores
- Female running coupler for cable gland or conduit entry. Can be used to upgrade standard non-barrier gland into a flameproof Exd barrier gland.

The Dual certified Exe/Exd CSB656N cable gland offers an inspectable barrier seal around the individual cable cores and a female running coupler for conduit or cable gland entry. See technical section for installation rules and regulations.

Cable Gland Selection Table

Size Ref.	Thread Sizes ³				Inner Sheath / Cores			'G'	Hexagon Dimensions ²	
	Male 'A'		Female 'B'		Max Over Cores 'C'	Max Inner Sheath	Max No of Cores		Across Flats	Across Corners
	Metric	NPT*	Metric	NPT*						
A	M20	¾" or ½"	M20	¾" or ½"	11	12.5	16	74.0	30.0	32.5
B	M25	1" or ¾"	M25	1" or ¾"	16.2	18.4	32	65.0	36.0	39.5
C	M32	1¼" or 1"	M32	1¼" or 1"	21.9	24.7	60	80.0	46.0	50.5
C2	M40	1½" or 1¼"	M40	1½" or 1¼"	26.3	29.7	80	83.0	55.0	60.6
D	M50	2" or 1½"	M50	2" or 1½"	37.1	41.7	100	94.0	65.0	70.8
E	M63	2½" or 2"	M63	2½" or 2"	47.8	53.5	120	97.0	80.0	88.0
F	M75	3" or 2½"	M75	3" or 2½"	59	66.2 / 65.3 ¹	160	100.0	95.0	104.0

All dimensions in millimetres (except * where dimensions are in inches). Metric entry threads are 1.5mm pitch as standard, 15mm length of thread.

¹ Smaller value is applicable when selecting reduced NPT entry option.
² Hexagon dimensions as shown may increase to accommodate non-metric female threads
³ Other thread types available upon request

Ordering Information

If brass is required please omit from material selection
 Format for ordering is as follows:

Cable Gland Type	Size	Male Thread	Female Thread	Material
656N	C	M32	M32	
656N	C	1.25	1.25	NP

Order Example: 656NCM32M32

Two part sealing compound and assembly instructions are supplied with the cable gland
 Please note all NPT entries should be state as a decimal
 Please refer to part code logic information page for further details on product options



Technical Data

Material Options	Manufactured in Brass, Nickel Plated Brass or 316L Stainless Steel
Ingress Protection	IP66 to IEC/EN 60529
Enclosure Protection	IK10 to IEC 62262
Deluge Protection	to DTS01
Operating Temperature	-60°C to +80°C
Applications	Suitable for use in Zone 1, Zone 21, Zone 2 and Zone 22

Approvals

Protection Class	Ex II 2GD Ex db IIC Gb; Ex eb IIC Gb; Ex nR IIC Gc; Ex tb IIIC Db
ATEX Certificate No	CML 19ATEX1170X CML 19ATEX4507X (Ex nR)
IECEx Certificate No	CML 19.0048X CML 21.0012X (Ex nR)
UKEX Certificate No	CML 21UKEX1164X CML 21UKEX4133X (Ex nR)
Construction & Test Standards	IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7, IEC/EN 60079-15 and IEC/EN 60079-31
Marine Approvals	ABS: 19-LD1876514-1-PDA BV: 43523/B0 DNV: TAE0000BS
Additional Certifications	CCC: 2020312313000316 EAC: No EA3C RU C-GB.HA91.B.00264/21 EQM: 20-11-27224/Q20-11-000979/NB0007 Inmetro: IEx 14.0272X KCs: 17-KA4BO-0150X to 0158X PESO: P450038 SONCAP: LCOGB049552-0500

NEC/CEC

NEC Protection Class	Class I Div 1 ABCD Class II Div 2 EFG and Class III Class I, Zone I, AEx db IIC Gb, AEx eb IIC Gb; Zone 21, AEx tb IIIC Db
CEC Protection Class	Class I Div 1 ABCD Class II Div 2 EFG and Class III Ex db IIC Gb; Ex eb IIC Gb; Ex tb IIIC Db
c CSA us Certificate	1024328
Construction & Test Standards	UL2225, UL1203, UL514B, CSA C22.2 NO. 0-10, CSA C22.2 NO. 174-18, CSA 22.2 60079-0, CSA 22.2 60079-1, CSA 22.2 60079-7 and CSA 22.2 60079-31



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