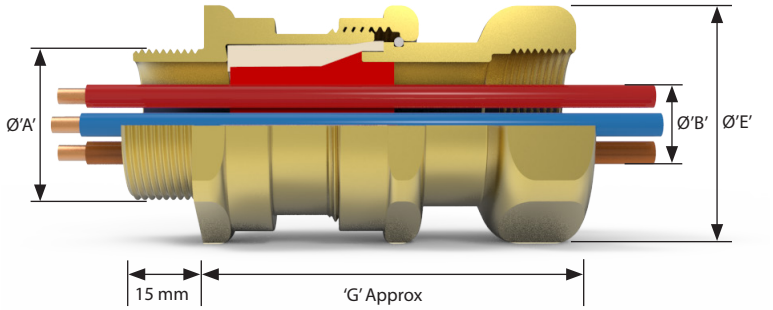
MADE IN BRITAIN

International Approvals

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'						Across Flats	Across Corners
	Metric	NPT*	Metric	NPT*	Max Over Cores 'C'	Max Inner Sheath	Max No of Cores			
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 acommodate non-metric female threads
[3] Other thread types available upon request

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

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