Cable gland series NAVBN for non-armoured cables from 3/8" to 4"

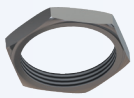
The NAVBN series barrier cable glands for non-armoured cable, with a male threaded outlet fitting, are designed to guarantee the IP66/67 protection and the explosion protection 'Ex db IIC; Ex eb IIC 'in applications where installation requirements are needed in accordance with the EN - IEC 60079-14: 2015 standard. The barrier is shaped around the conductors thanks to the particular mixture that flows through them in the special bushing ensuring a complete seal. The liquid resin used prevents the formation of air pockets or voids between the conductors and the bushing (typical problems found with malleable resins). Resin kit available separately.

NAVBN assembly instructions video

Classification: 2014/34/EU	Group II	Category 2GD/3G
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)
Marking:	CE 0722 Ex II 2 GD - Ex db IIC Gb - Ex eb IIC Gb II 2 D - Ex tb IIIC Db II 3G Ex nR IIC Gc	
Certification:	ATEX (category 2): IMQ 19 ATEX 019X ATEX (category 3): IMQ 19 ATEX 020X IEC Ex IECEx IMQ 19.0003X TR CU DISPONIBLE	For IEC Ex and others certifications data can be downloaded at www.elfit.com
Standards:	CENELEC EN 60079-0: 2012+A11:2013, EN 60079-1: 2014, EN 60079-7: 2015, EN 60079-15: 2010, EN 60079-31: 2014 ed alla DIRETTIVA EUROPEA 2014/34/UE IEC60079-0: 2011, IEC60079-1: 2014, IEC60079-7: 2015, IEC60079-15: 2010, IEC60079-31: 2013 Direttiva RoHS 2011/65/UE	
Operating temperature:	-60°C +100°C	
Protection rating:	IP66/67	
Design	BS 6121: Part 1:1989, IEC 62444, EN 62444	

Certificates are available on www.elfit.com

ACCESSORIES UPON REQUEST

Locknuts	ISO thread	Nickel-plated brass	Galvanized steel	Stainless steel
	M16x1,5	DL01IB	DL01IG	DL01IS
	M20x1,5	DL1IB	DL1IG	DL1IS
	M25x1,5	DL2IB	DL2IG	DL2IS
	M32x1,5	DL3IB	DL3IG	DL3IS
	M40x1,5	DL4IB	DL4IG	DL4IS
	M50x1,5	DL5IB	DL5IG	DL5IS
	M63x1,5	DL6IB	DL6IG	DL6IS
	M75x1,5	DL7IB	DL7IG	DL7IS
	M90x1,5	DL8IB	DL8IG	DL8IS
	M100x1,5	DL10IB	DL10IG	DL10IS
	M115x1,5	DL115IB	DL115IG	DL115IS

Nickel-plated brass earthing rings	ISO thread	Nickel-plated brass	Stainless steel	Serrated steinless steel lock washers	Code	Adapters and reducers of the **RE...** series
	M16x1,5	A0131IB	A0131IS		RDI01IS/A4	
	M20x1,5	A131IB	A131IS		RDI1IS/A4	
	M25x1,5	A231IB	A231IS		RDI2IS/A4	
	M32x1,5	A331IB	A331IS		RDI3IS/A4	
	M40x1,5	A431IB	A431IS		RDI4IS/A4	
	M50x1,5	A531IB	A531IS		RDI5IS/A4	
	M63x1,5	A631IB	A631IS		RDI6IS/A4	
	M75x1,5	A731IB	A731IS			
	M90x1,5	A831IB	A831IS			
	M100x1,5	A1031IB	A1031IS			
	M115x1,5	A1031B	A1031S			

Black TPV protector	Cableglands		Code
	NAVBN01NB	NAVBN16IB	PGA1F
	NAVBN1SNB	NAVBN20SIB	PGA1N
	NAVBN1NB	NAVBN20IB	PGA1
	NAVBN2NB	NAVBN25IB	PGA2N
	NAVBN3NB	NAVBN32IB	PGA4
	NAVBN4NB	NAVBN40IB	PGA4
	NAVBN5SNB	NAVBN50SIB	PGA5
	NAVBN5NB	NAVBN50IB	PGA5N
	NAVBN6SNB	NAVBN63SIB	PGA6
	NAVBN6NB	NAVBN63IB	PGA6
	NAVBN7SNB	NAVBN75SIB	PGA7
	NAVBN7NB	NAVBN75IB	GTR7 Heat shrinkable
	NAVBN8NB	NAVBN90IB	
	NAVBN9NB	NAVBN100IB	
	NAVBN10NB	NAVBN115IB	

* For different threads, contact the sales department.

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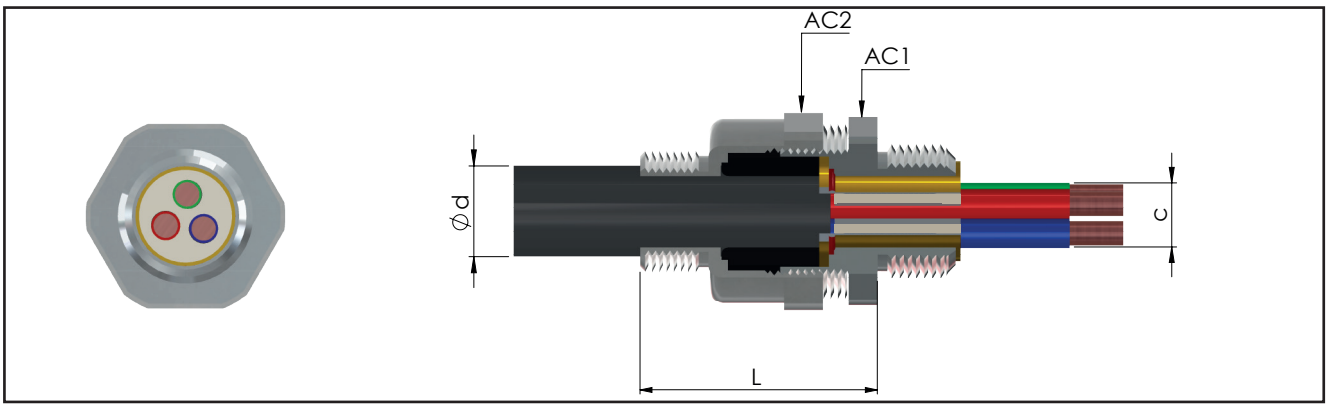
vendite@elfit.com info@elfit.com
www.elfit.com



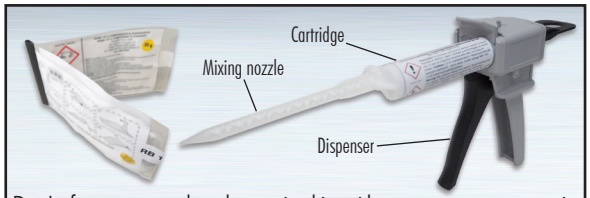
CABLE GLAND SELECTION TABLE

Code Nickel-plated brass	Thread	Code Nickel-plated brass	Thread	Dimensions in mm			Range			Weight	Q.ty of resin ml ***
				AC1	AC2	L	Ød cable max	Øc over cores	n. max cable **	Kg	
NAVBN01NB	3/8" NPT	**NAVBN16IB**	M16x1,5	24	24	47.5	8.6	5.5	11	0,115	1.3
NAVBN1SNB	1/2" NPT	**NAVBN20SIB**	M20x1,5	24	26	48	11.6	10	11	0,134	3.7
NAVBN1NB	1/2" NPT	**NAVBN20IB**	M20x1,5	30	32	51.5	14	11	11	0,165	4.2
NAVBN2NB	3/4" NPT	**NAVBN25IB**	M25x1,5	36	38	50.5	20	15	21	0,211	8.3
NAVBN3NB	1" NPT	**NAVBN32IB**	M32x1,5	45	47	51.5	27	21	38	0,290	15
NAVBN4NB	1 ¼" NPT	**NAVBN40IB**	M40x1,5	50	52	52.5	32	27	59	0,396	24
NAVBN5SNB	1 ½" NPT	**NAVBN50SIB**	M50x1,5	55	57	54.5	38	33	89	0,534	36
NAVBN5NB	2" NPT	**NAVBN50IB**	M50x1,5	62/60*	62	54.5	44	35	89	0,431	41
NAVBN6SNB	2" NPT	**NAVBN63SIB**	M63x1,5	68	77	67	50	43	115	1,137	65
NAVBN6NB	2 ½" NPT	**NAVBN63IB**	M63x1,5	75/73*	77	68	56	45	115	0,786	70
NAVBN7SNB	2 ½" NPT	**NAVBN75SIB**	M75x1,5	80	82	71.5	62	53	140	1,082	98
NAVBN7NB	3" NPT	**NAVBN75IB**	M75x1,5	90/85*	90	71.5	68	55	140	1,042	101
NAVBN8NB	3" NPT	**NAVBN90IB**	M90x1,5	100	110	80	79	65	200	1,984	145
NAVBN9NB	3 ½" NPT	**NAVBN100IB**	M100x1,5	115	120	86	91	72	200	2,043	188
NAVBN10NB	4" NPT	**NAVBN115IB**	M115x1,5	120	130	85.5	98	85	200	3,056	254

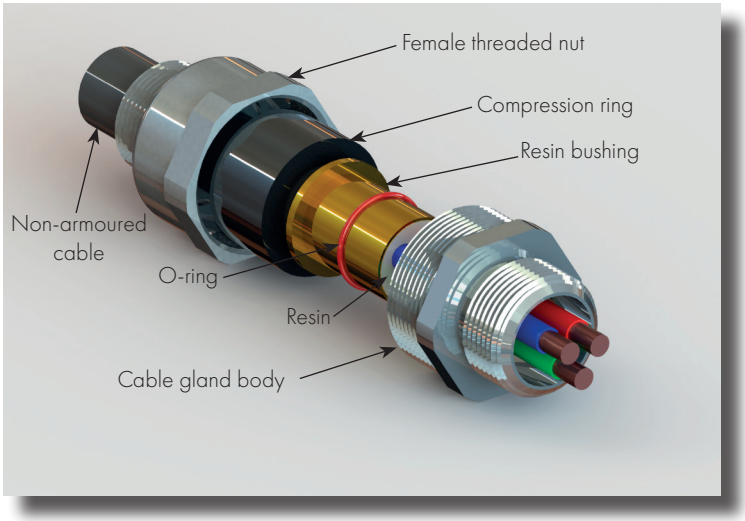
** Dimensions with threaded: NPT / ISO.*
*** At least 20% of the internal section of the bushing must be filled with resin.*
**** Maximum quantity of resin calculated with completely empty bushing.*

Sample order code of the cable gland

NAVBN	6S	N	B
MODEL	SIZE	THREAD	MATERIAL



Don't forget to order the resin kit with two-component resin (see p. 27):
- 25 ml resin bag code BOND-B-25
- 100 ml resin bag code BOND-B-100
- 40 ml cartridge + mixing nozzle code BOND-C (manual dispenser supplied as an option code DISP-C)



TECHNICAL NOTES:

- *Silicone o-rings are supplied for cylindrical threads (ISO metric) for the pre-assembled IP seal on the cable gland.*
- *The ISO7/1 thread version is available upon request (sample code NAVBN1B).*
- *Also available in stainless steel AISI 316 (sample code NAVBN1**S**).*
- *Other materials on request.*
- *For "Ex i" intrinsic safety version, RAL 5015 blue nut (sample code NAVBN1**IA**).*