Cable glands series NAVF for non-armoured cable with female entry

NAVF series cable glands, with a female threaded outlet fitting, are suitable for use in areas with the risk of explosion, allowing the direct insertion of non-armoured cables in explosion proof enclosures, light fixtures, outlets, plugs, etc. Their structure makes them suitable for environments which are particularly difficult, such as marine environments, or where there are subjected to the mechanical stresses and impacts which often occur in heavy industry, where safety is the utmost priority. They are supplied with a sealing ring which is stretched over the cable at the inlet ensuring the anti-loosening, the 'Ex d' execution and an IP66/68 protection rating. The result is a cable gland which provides maximum performance, long-term reliability and safety, is compatible with a wide range of the main, commercially available cables, and complies with the most recent applicable regulations.

NAV.. 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 - IP66/68	
Certification:	ATEX (category 2): IMQ 17 ATEX 016X	
	ATEX (category 3): IMQ 17 ATEX 017X	
	IEC Ex IECEx IMQ 17.0010X	For IEC Ex and others certifications data can be downloaded at www.elfit.com
Standards:	CENELEC EN 60079-0: 2018, EN 60079-1: 2014, EN 60079-7: 2015, EN 60079-15: 2019, EN 60079-31: 2014 and EUROPEAN DIRECTIVE 2014/34/EU IEC60079-0: 2017, IEC60079-1: 2014, IEC60079-7: 2017, IEC60079-15: 2017, IEC60079-31: 2013 RoHS Directive 2011/65/UE	
Operating temperature:	-60 °C +130 °C	
Protection rating:	IP66/68 *(30 meters - 12 hours)*	
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	Sealing ring for flat/ healing cables
	M12x1,5	**DL02IB**	**DL02IG**	**DL02IS**	
	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**	Code and dimensions are on page 24 *(Link)*
	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
	M12x1,5	**A0231IB**	**A0231IS**			
	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**			

* For different threads, contact the sales department.

ED.2026

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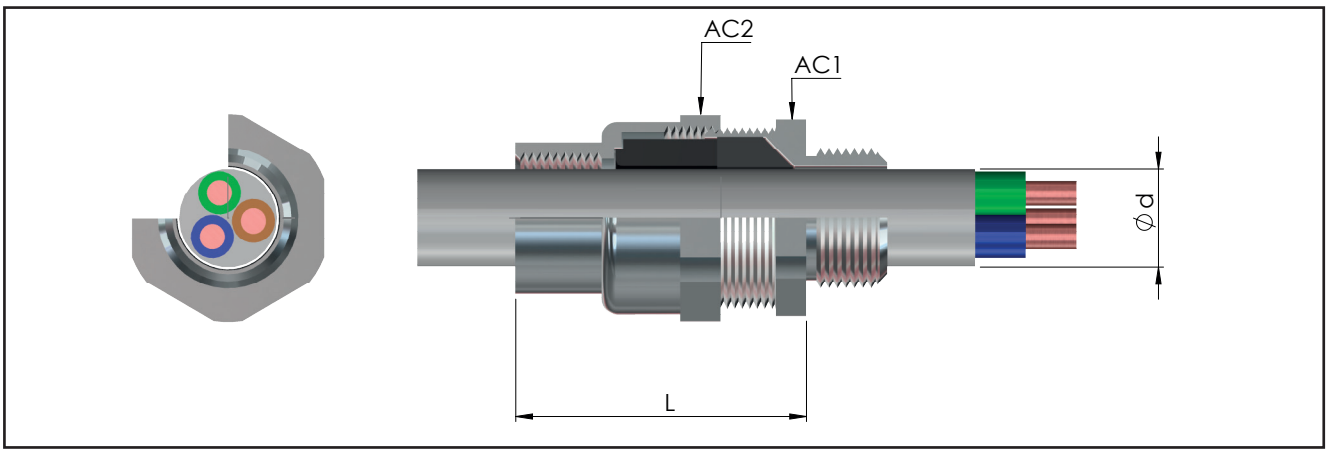
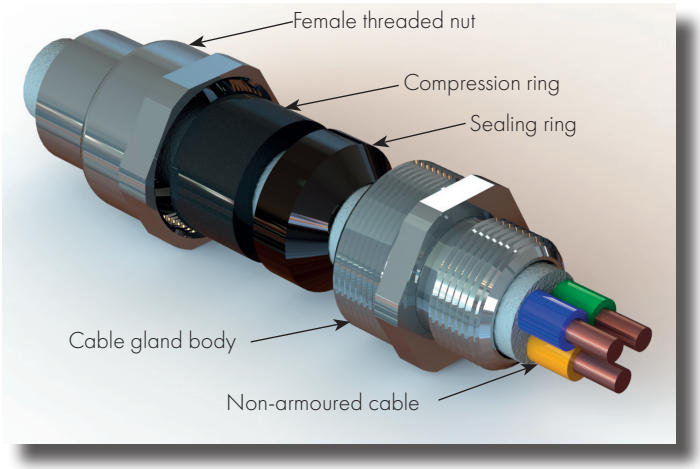
www.elfit.com



CABLE GLAND SELECTION TABLE

Code Nickel-plated brass	Thread	Code Nickel-plated brass	Thread	Dimensions in mm AC1	AC2	L	Range Ød min-max Outer sheath of the cable	Weight Kg
NAVF02NB	1/4" NPT	**NAVF12IB**	M12x1,5	18	18	54	3.0 - 6.0	0,070
NAVF01NB	3/8" NPT	**NAVF16IB**	M16x1,5	24	24	53	3.5 - 8.6	0,107
NAVF1SNB	1/2" NPT	**NAVF20SIB**	M20x1,5	24	26	53	6.3 - 11.6	0,120
NAVF1NB	1/2" NPT	**NAVF20IB**	M20x1,5	30	32	56	6.5 - 14	0,155
NAVF2NB	3/4" NPT	**NAVF25IB**	M25x1,5	36	38	56	11 - 20	0,212
NAVF3NB	1" NPT	**NAVF32IB**	M32x1,5	45	47	59	17 - 27	0,276
NAVF4NB	1 ¼" NPT	**NAVF40IB**	M40x1,5	50	52	59	22 - 32	0,365
NAVF5SNB	1 ½" NPT	**NAVF50SIB**	M50x1,5	55	57	63	29.5 - 38	0,482
NAVF5NB	2" NPT	**NAVF50IB**	M50x1,5	62/60*	62	63	35.5 - 44	0,428
NAVF6SNB	2" NPT	**NAVF63SIB**	M63x1,5	68	77	74	40 - 50	0,981
NAVF6NB	2 ½" NPT	**NAVF63IB**	M63x1,5	75/73*	77	75	47 - 56	0,741
NAVF7SNB	2 ½" NPT	**NAVF75SIB**	M75x1,5	80	82	77	53 - 62	0,835
NAVF7NB	3" NPT	**NAVF75IB**	M75x1,5	90/85*	90	78	59 - 68	0,934
NAVF8NB	3" NPT	**NAVF90IB**	M90x1,5	100	110	88	66 - 79	1,883
NAVF9NB	3 ½" NPT	**NAVF100IB**	M100x1,5	115	120	92	76 - 91	1,993
NAVF10NB	4" NPT	**NAVF115IB**	M115x1,5	120	130	92	86 - 98	2,332

** Dimensions with threaded: NPT / ISO*



Sample order code

NAVF	6	N	B
MODEL	SIZE	THREAD	MATERIAL

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 NAVF1B)*
- *Also available in stainless steel AISI 316 (sample code NAVF1**S**)*
- *Other materials on request*
- *For "Ex i" intrinsic safety version, RAL 5015 blue nut (sample code NAVF1**IA**)*