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

ELFIT®
ELectrical FITtings

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.

| 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	IEC Ex certification 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 2002/95/EC	
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

NAV.. assembly instructions video

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	
	M100x1,5	DL10IB	DL10IG	DL10IS	Code and dimensions are in the page pagina A.16
	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			* For different threads, contact the sales department.
	M90x1,5	A831IB	A831IS			
	M100x1,5	A1031IB	A1031IS			
	M115x1,5	A1031B	A1031S			
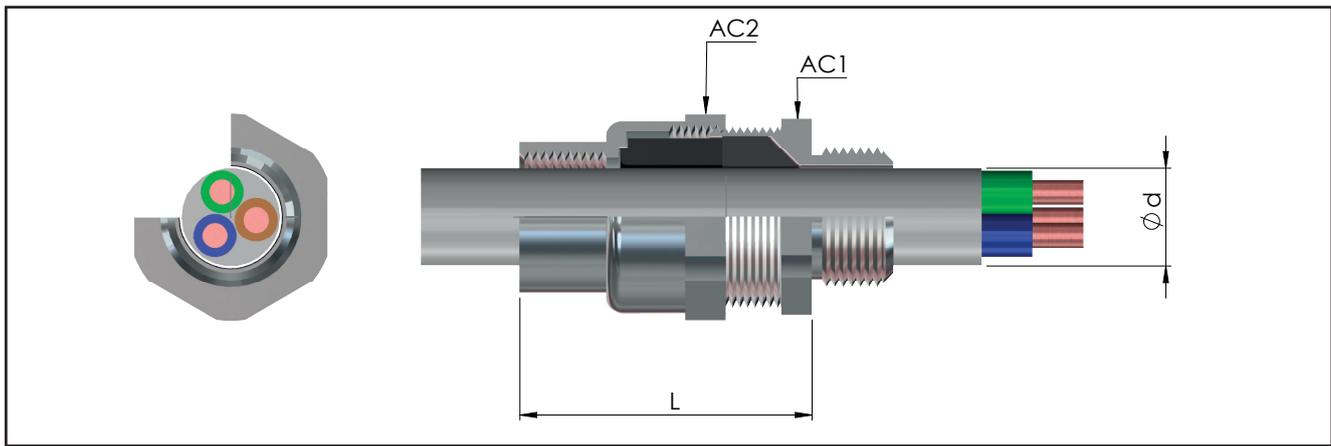
CABLE GLAND SELECTION TABLE

Code Nickel-plated brass	Thread	Code Nickel-plated brass	Thread	Dimensions in mm			Range	Weight
				AC1	AC2	L	Ød min-max Outer sheath of the cable	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**

Female threaded nut
Compression ring
Sealing ring
Cable gland body
Non-armoured cable
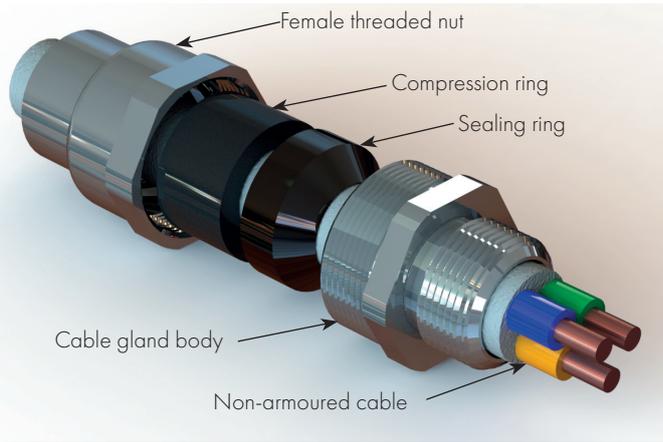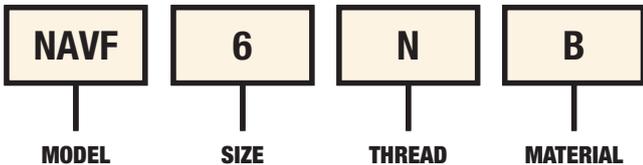
TECHNICAL NOTES:

- *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 NAVF1S)*
- *Other materials on request*
- *For "Ex i" intrinsic safety version, RAL 5015 blue nut (sample code NAVF1IA)*

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