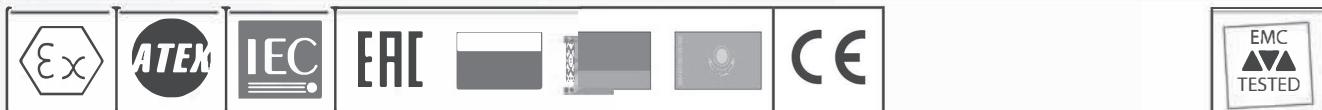


Cable gland series NAV for non-armoured cables from 3/8" to 4"

NAV series cable glands are suitable for use in hazardous areas with danger of explosion to enable direct insertion of non-armored cables into explosion-proof junction boxes, lighting fixtures, plugs and sockets, etc. Thanks to their structure, they are particularly suitable both in harsh application, such as marine one, and places subjected to stress and mechanical shock as it often happens in all those places of the "heavy" industry where safety is a top priority. They are provided with one sealing ring which tightens the incoming cable ensuring the 'Ex d' way of protection and the IP 66/68. The result is a cable gland which provides maximum performance in terms of reliability and safety over time, is compatible with a wide range of the main, commercially available cables, and complies with the most recent applicable regulations.



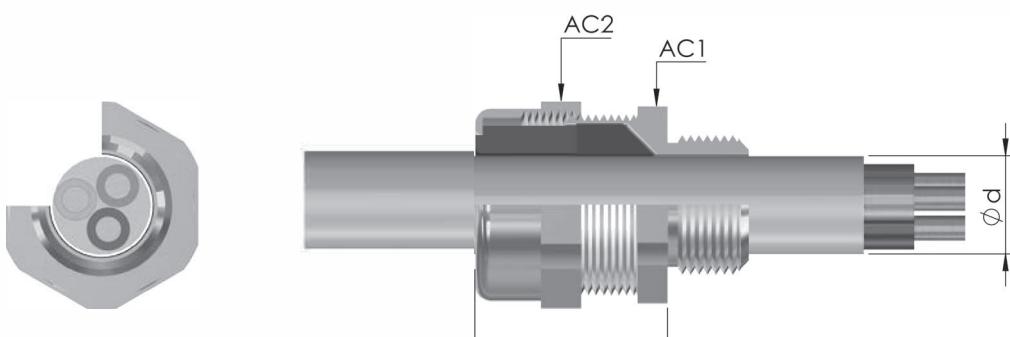
Classification: 2014/34/EU	Group II	Category 2GD/3G
Installation: EN 60079-14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)
Marking:	CE 0722 Ex II 2 GD - Ex db IIC Gb - Ex eb IIC Gb II 2 D - Ex tb IIIC Db II 3G Ex nR IIC Gc - IP66/68	
Certification:	ATEX (category 2): IMQ 17 ATEX 016X ATEX (category 3): IMQ 17 ATEX 017X IEC Ex IECEx IMQ 17.0010X	All IEC Ex and TR CU certification data
Standards:	CENELEC EN 60079-0: 2012+A11:2013, EN 60079-1: 2016, EN 60079-7: 2015, EN 60079-15: 2012, EN 60079-31: 2015 and EUROPEAN DIRECTIVE 2014/34/EU IEC60079-0: 2011 IEC60079-1: 2014 IEC60079-7: 2015 IEC60079-15: 2015 IEC60079-31: 2013 RoHS Directive 2002/95/EC	
Operating temperature:	-60 °C +130 °C	
Protection rating:	IP66/68 (30 metres - 12 hours)	
Design	BS 6121: Part 1:1989, IEC 62444, EN 62444	

ACCESSORIES UPON REQUEST									
Locknuts	ISO thread	Nickel-plated brass	Galvanized steel	Stainless steel	Sealing ring for flat/healing cables	Black TPE protector	CG	Code	
	M16x1,5	DL01B	DL01IG	DL01IS			NAV01NB	PGA1F	
	M20x1,5	DL1B	DL1IG	DL1IS			NAV1SNB	PGA1N	
	M25x1,5	DL2B	DL2IG	DL2IS			NAV1NB	PGA1	
	M32x1,5	DL3B	DL3IG	DL3IS			NAV2NB	PGA2N	
	M40x1,5	DL4B	DL4IG	DL4IS			NAV3NB	PGA4	
	M50x1,5	DL5B	DL5IG	DL5IS			NAV4NB	PGA4	
	M63x1,5	DL6B	DL6IG	DL6IS			NAV5SNB	PGA5	
	M75x1,5	DL7B	DL7IG	DL7IS			NAV5NB	PGA5N	
	M90x1,5	DL8B	DL8IG	DL8IS			NAV6SNB	PGA6	
	M100x1,5	DL10B	DL10IG	DL10IS			NAV6NB	PGA6	
	M115x1,5	DL115B	DL115IG	DL115IS			NAV7SNB	PGA7	
	ISO thread	Nickel-plated brass	Stainless steel	Serrated stainless steel lock washers	Code	Adapters and reducers of the RE... series	NAV7NB	GTR7 Heat shrinkable	
	M16x1,5	A0131B	A0131S		RDI01IS/A4		NAV8NB		
	M20x1,5	A1311B	A1311S		RDI1IS/A4		NAV9NB		
	M25x1,5	A2312B	A2312S		RDI2IS/A4		NAV10NB		
	M32x1,5	A3313B	A3313S		RDI3IS/A4				
	M40x1,5	A4314B	A4314S		RDI4IS/A4				
	M50x1,5	A5315B	A5315S		RDI5IS/A4				
	M63x1,5	A6316B	A6316S		RDI6IS/A4				
	M75x1,5	A731B	A731S						
	M90x1,5	A831B	A831S						
	M100x1,5	A103110B	A103110S						
	M115x1,5	A1031B	A1031S						

* For different threads, contact the sales department.

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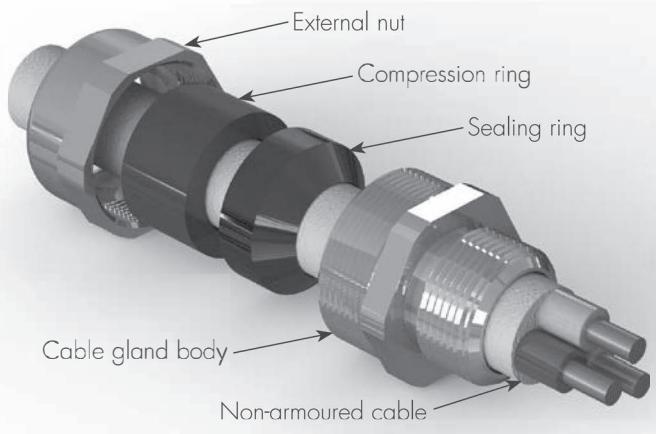


CABLE GLAND SELECTION TABLE

Code Nickel-plated brass	Thread	Code Nickel-plated brass	Thread	Dimensions in mm			Range Ød min-max Outer sheath of the cable	Weight Kg
				AC1	AC2	L		
NAV01NB	3/8" NPT	NAV16IB	M16x1,5	24	24	34	3.5 - 8.6	0,086
NAV1SNB	1/2" NPT	NAV20SIB	M20x1,5	24	26	34	6.3 - 11.6	0,093
NAV1NB	1/2" NPT	NAV20IB	M20x1,5	30	32	37	6.5 - 14	0,126
NAV2NB	3/4" NPT	NAV25IB	M25x1,5	36	38	37	11 - 20	0,153
NAV3NB	1" NPT	NAV32IB	M32x1,5	45	47	40	17 - 27	0,232
NAV4NB	1 1/4" NPT	NAV40IB	M40x1,5	50	52	40	22 - 32	0,295
NAV5SNB	1 1/2" NPT	NAV50SIB	M50x1,5	55	57	43	29.5 - 38	0,374
NAV5NB	2" NPT	NAV50IB	M50x1,5	60	62	43	35.5 - 44	0,329
NAV6SNB	2" NPT	NAV63SIB	M63x1,5	68	77	51	40 - 50	0,753
NAV6NB	2 1/2" NPT	NAV63IB	M63x1,5	73	77	52	47 - 56	0,732
NAV7SNB	2 1/2" NPT	NAV75SIB	M75x1,5	80	82	55	53 - 62	0,714
NAV7NB	3" NPT	NAV75IB	M75x1,5	85	90	56	59 - 68	0,627
NAV8NB	3" NPT	NAV90IB	M90x1,5	100	110	59	66 - 79	1,384
NAV9NB	3 1/2" NPT	NAV100IB	M100x1,5	115	120	62	76 - 91	1,316
NAV10NB	4" NPT	NAV115IB	M115x1,5	120	130	62	86 - 98	1,937

Sample order code

NAV	6	N	B
MODEL	SIZE	THREAD	MATERIAL



TECHNICAL NOTES:

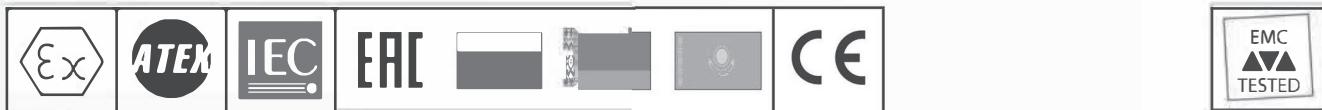
- Silicone o-rings are supplied for cylindrical threads (ISO metric) for the pre-assembled IP seal on the cable gland
- The ISO7/1 thread version is available upon request (sample code NAV1B)
- Also available in stainless steel (sample code NAV1S)
- Other materials on request
- For "Ex i" intrinsic safety version, RAL 5015 blue nut (sample code NAV1IA)

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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 '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	All IEC Ex and TR CU certification data
Standards:	CENELEC EN 60079-0: 2012+A11:2013, EN 60079-1: 2016, EN 60079-7: 2015, EN 60079-15: 2012, EN 60079-31: 2015 and EUROPEAN DIRECTIVE 2014/34/EU IEC60079-0: 2011 IEC60079-1: 2014 IEC60079-7: 2015 IEC60079-15: 2015 IEC60079-31: 2013 RoHS Directive 2002/95/EC	
Operating temperature:	-60 °C +130 °C	
Protection rating:	IP66/68 (30 metres - 12 hours)	
Design	BS 6121: Part 1:1989, IEC 62444, EN 62444	

ACCESSORIES UPON REQUEST

Locknuts	ISO thread	Nickel-plated brass	Galvanized steel	Stainless steel	Sealing ring for flat/healing cables
	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 stainless steel lock washers	Code
	M16x1,5	A0131B	A0131S		RDI01IS/A4
	M20x1,5	A1311B	A1311S		RDI1IS/A4
	M25x1,5	A2312B	A2312S		RDI2IS/A4
	M32x1,5	A3313B	A3313S		RDI3IS/A4
	M40x1,5	A4314B	A4314S		RDI4IS/A4
	M50x1,5	A5315B	A5315S		RDI5IS/A4
	M63x1,5	A6316B	A6316S		RDI6IS/A4
	M75x1,5	A731B	A731S		
	M90x1,5	A831B	A831S		
	M100x1,5	A103110B	A103110S		
	M115x1,5	A1031B	A1031S		

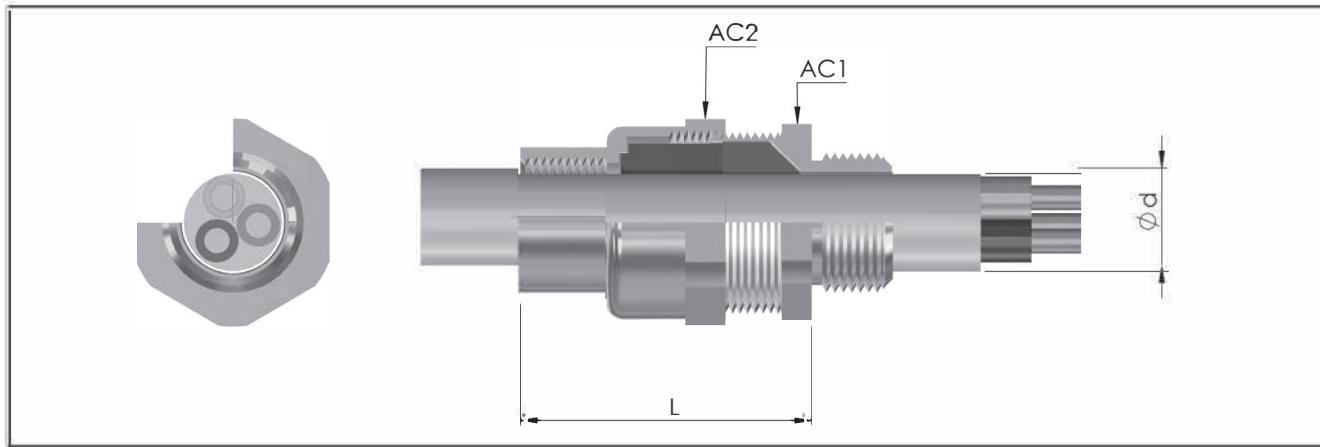
Code and dimensions are in the page pagina A.12

* For different threads, contact the sales department.

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

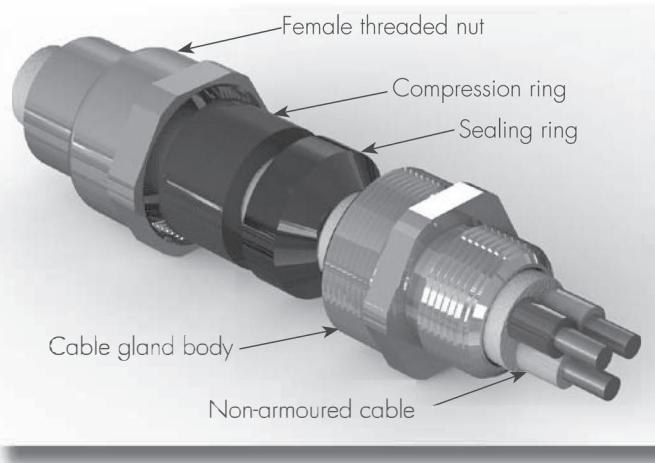


CABLE GLAND SELECTION TABLE

Code Nickel-plated brass	Thread	Code Nickel-plated brass	Thread	Dimensions in mm			Range		Weight Kg
				AC1	AC2	L	Ød min-max Outer sheath of the cable		
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 1/4" NPT	NAVF40IB	M40x1,5	50	52	59	22 - 32		0,365
NAVF5SNB	1 1/2" NPT	NAVF50SIB	M50x1,5	55	57	63	29.5 - 38		0,482
NAVF5NB	2" NPT	NAVF50IB	M50x1,5	60	62	63	35.5 - 44		0,428
NAVF6SNB	2" NPT	NAVF63SIB	M63x1,5	68	77	74	40 - 50		0,981
NAVF6NB	2 1/2" NPT	NAVF63IB	M63x1,5	73	77	75	47 - 56		0,741
NAVF7SNB	2 1/2" NPT	NAVF75SIB	M75x1,5	80	82	77	53 - 62		0,835
NAVF7NB	3" NPT	NAVF75IB	M75x1,5	85	90	78	59 - 68		0,934
NAVF8NB	3" NPT	NAVF90IB	M90x1,5	100	110	88	66 - 79		1,883
NAVF9NB	3 1/2" NPT	NAVF100IB	M100x1,5	115	120	92	76 - 91		1,993
NAVF10NB	4" NPT	NAVF115IB	M115x1,5	120	130	92	86 - 98		2,332

Sample order code

NAVF	6	N	B
MODEL	SIZE	THREAD	MATERIAL



TECHNICAL NOTES:

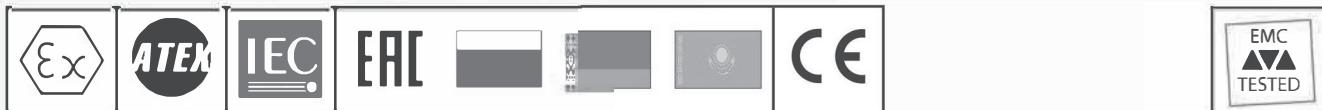
- Silicone o-rings are supplied for cylindrical threads (ISO metric) for the pre-assembled IP seal on the cable gland
- The ISO7/1 thread version is available upon request (sample code NAVF1B)
- Also available in stainless steel (sample code NAVF1S)
- Other materials on request
- For "Ex i" intrinsic safety version, RAL 5015 blue nut (sample code NAVF1IA)

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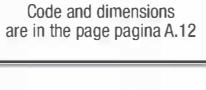


Cable glands series NAVN for non-armoured cable with male entry

NAVN series cable glands, with a male 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 '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		
Standards:	All IEC Ex and TR CU certification data		
Operating temperature:	-60 °C +130 °C		
Protection rating:	IP66/68 (30 metres - 12 hours)		
Design	BS 6121: Part 1:1989, IEC 62444, EN 62444		

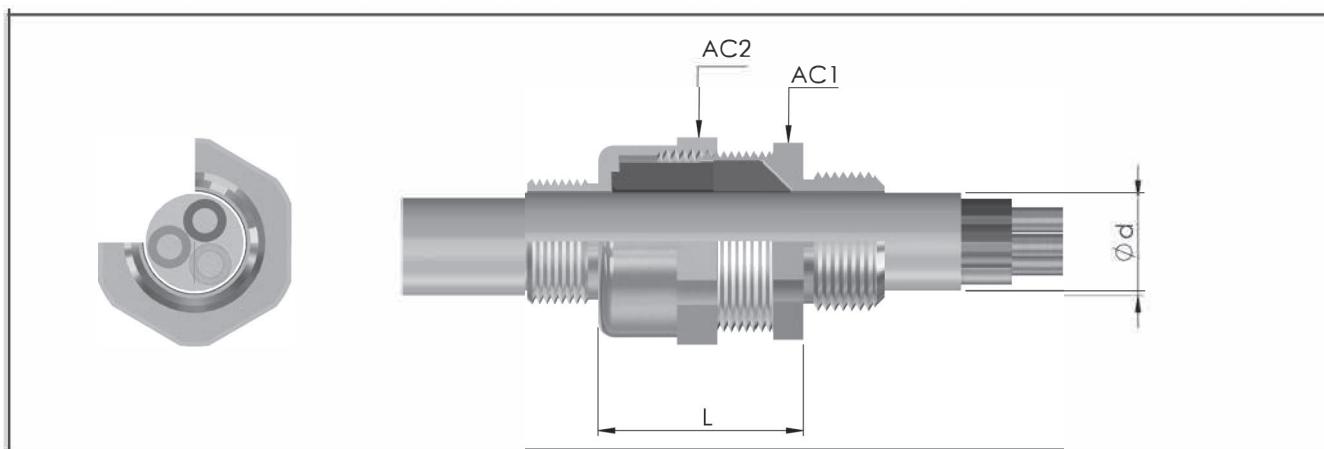
ACCESSORIES UPON REQUEST					
Locknuts	ISO thread	Nickel-plated brass	Galvanized steel	Stainless steel	Sealing ring for flat/healing cables
	M16x1,5	DL01IB	DL01IG	DL01IS	
	M20x1,5	DL1IB	DL1IG	DL1IS	
	M25x1,5	DL2IB	DL2IG	DL2IS	
	M32x1,5	DL3IB	DL3IG	DL3IS	
	M40x1,5	DL4IB	DL4IG	DL4IS	
	M50x1,5	DL5IB	DL5IG	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	Adapters and reducers of the RE... series
	M16x1,5	A0131B	A0131S		RDI01IS/A4
	M20x1,5	A1311IB	A1311IS		RDI1IS/A4
	M25x1,5	A2312IB	A2312IS		RDI2IS/A4
	M32x1,5	A3313IB	A3313IS		RDI3IS/A4
	M40x1,5	A4314IB	A4314IS		RDI4IS/A4
	M50x1,5	A5315IB	A5315IS		RDI5IS/A4
	M63x1,5	A6316IB	A6316IS		RDI6IS/A4
	M75x1,5	A731B	A731S		
	M90x1,5	A831B	A831S		
	M100x1,5	A103110IB	A103110IS		
	M115x1,5	A1031B	A1031S		

* For different threads, contact the sales department.

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Cable glands series NAVN for non-armoured cable with male entry

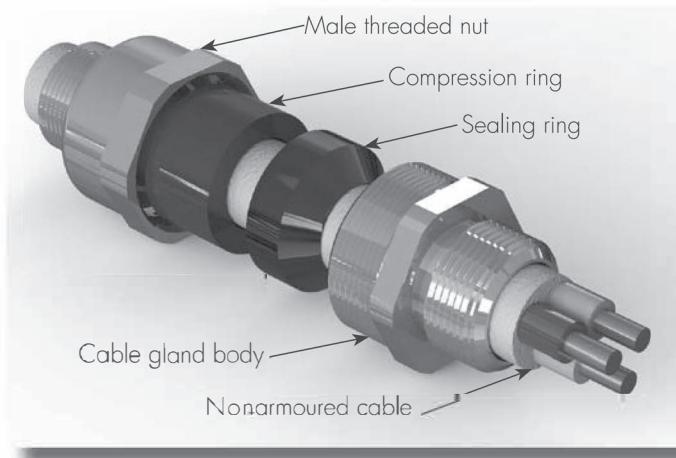


CABLE GLAND SELECTION TABLE

Code Nickel-plated brass	Thread	Code Nickel-plated brass	Thread	Dimensions in mm			Range Ød min-max Outer sheath of the cable	Weight Kg
				AC1	AC2	L		
NAVNO1NB	3/8" NPT	NAVN16IB	M16x1,5	24	24	53	3.5 - 8.6	0,105
NAVN1SNB	1/2" NPT	NAVN20SIB	M20x1,5	24	26	53	6.3 - 11.6	0,122
NAVN1NB	1/2" NPT	NAVN20IB	M20x1,5	30	32	56	6.5 - 14	0,150
NAVN2NB	3/4" NPT	NAVN25IB	M25x1,5	36	38	56	11 - 20	0,192
NAVN3NB	1" NPT	NAVN32IB	M32x1,5	45	47	59	17 - 27	0,264
NAVN4NB	1 1/4" NPT	NAVN40IB	M40x1,5	50	52	59	22 - 32	0,360
NAVN5SNB	1 1/2" NPT	NAVN50SIB	M50x1,5	55	57	63	29.5 - 38	0,486
NAVN5NB	2" NPT	NAVN50IB	M50x1,5	60	62	63	35.5 - 44	0,392
NAVN6SNB	2" NPT	NAVN63SIB	M63x1,5	68	77	74	40 - 50	1,034
NAVN6NB	2 1/2" NPT	NAVN63IB	M63x1,5	73	77	75	47 - 56	0,715
NAVN7SNB	2 1/2" NPT	NAVN75SIB	M75x1,5	80	82	77	53 - 62	0,984
NAVN7NB	3" NPT	NAVN75IB	M75x1,5	85	90	78	59 - 68	0,948
NAVN8NB	3" NPT	NAVN90IB	M90x1,5	100	110	88	66 - 79	1,804
NAVN9NB	3 1/2" NPT	NAVN100IB	M100x1,5	115	120	92	76 - 91	1,858
NAVN10NB	4" NPT	NAVN115IB	M115x1,5	120	130	92	86 - 98	2,779

Sample order code

NAVN	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 NAVN1B)
- Also available in stainless steel (sample code NAVN1S)
- Other materials on request
- For "Ex i" intrinsic safety version, RAL 5015 blue nut (sample code NAVN1IA)

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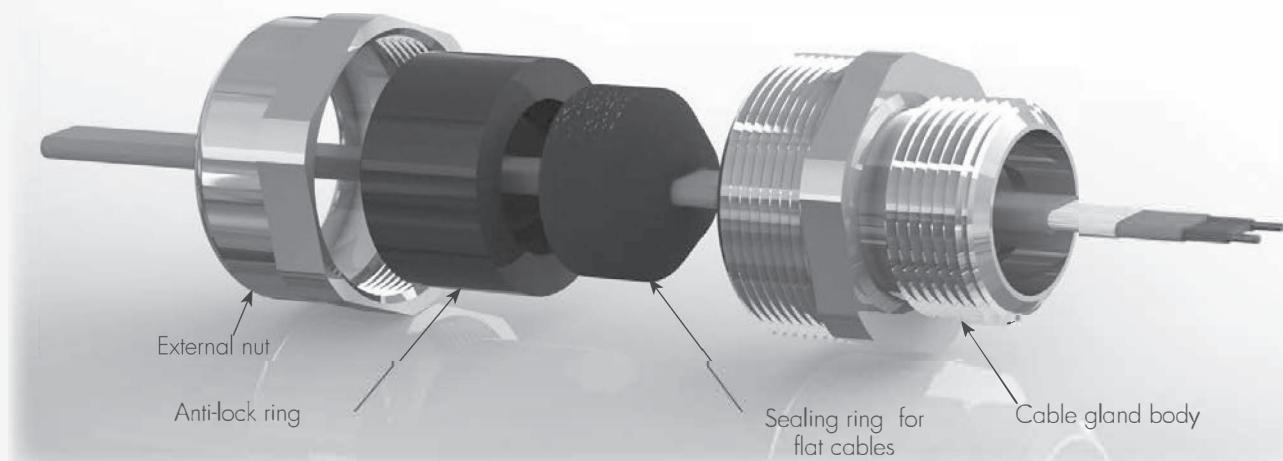
Accessories and technical specifications of the NAV, NEV series cable glands

ANTIDEFLAGRANTIC EXD IIIC T6 CABLE GLANDS APPROVED AS A GROUP IIC FLAMMABILITY CLASSIFICATION IN ACCORDANCE WITH IEC 60079-0

Cable glands for non-armoured cables: Sealing ring for flat / heating cables



Cable gland type	E	F	Code
NAV..01N..	NAV..16I..	7.7	H01-567
NAV..1SN..	NAV..20SI..	7.7	H1S-567/1
NAV..1SN..	NAV..20SI..	8.7	H1S-567/2
NAV..1SN..	NAV..20SI..	9.7	H1S-567/3
NAV..1SN..	NAV..20SI..	10.2	H1S-567/4
NAV..1SN..	NAV..20SI..	10.7	H1S-567/5
NAV..1SN..	NAV..20SI..	10.7	H1S-567/6
NAV..1SN..	NAV..20SI..	10.7	H1S-567/7
NAV..1N..	NAV..20I..	7.7	H1-567/1
NAV..1N..	NAV..20I..	8.7	H1-567/2
NAV..1N..	NAV..20I..	9.7	H1-567/3
NAV..1N..	NAV..20I..	10.2	H1-567/4
NAV..1N..	NAV..20I..	10.7	H1-567/5
NAV..1N..	NAV..20I..	10.7	H1-567/6
NAV..1N..	NAV..20I..	10.7	H1-567/7
NAV..1N..	NAV..20I..	11.7	H1-567/8
NAV..2N..	NAV..25I..	7.7	H2-567/1
NAV..2N..	NAV..25I..	8.7	H2-567/2
NAV..2N..	NAV..25I..	9.7	H2-567/3
NAV..2N..	NAV..25I..	10.2	H2-567/4
NAV..2N..	NAV..25I..	10.7	H2-567/5
NAV..2N..	NAV..25I..	10.7	H2-567/6
NAV..2N..	NAV..25I..	10.7	H2-567/7
NAV..2N..	NAV..25I..	11.7	H2-567/8



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