

PNAF

Cable glands un armoured cables



Mechanical characteristics

Body/cab	OT-58 brass (ON) – AISI-316L stainless steel (XX) marine grade copper free aluminium (on project request only)
Finishes	Full nickel plating treatment (brass material only)
Rubber rings	EPDM rubber 50-60 shore hardness (standard supply) Silicon rubber 60 shore hardness (on demand only)
O-ring	Silicon rubber – 60 shore hardness
Skid washer	Nylon 6.0

Applications

For unarmoured cables only

Suitable for flexible conduit coupling connection by threaded cap

Single compression type suitable for indoor and outdoor use

Single compression – on cable (inner sealing)

Installation

Hazardous areas - Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts)

Classification

Group II - Category 2G 2D/3G 3D

Reference standards

Directive 2014/34/EU					
Execution	 ⊌ II 2 G Ex db / Ex eb / Ex ia / IIC Gb II 2 D Ex tb IIIC Db ⊌ II 3 G Ex nR IIC Gc / II 3 D Ex tc IIIC Dc 				
Rules of compliance	EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-11; EN/IEC 60079-31				
EU type-examination certificate	INERIS 09 ATEX 0028X INERIS 23 ATEX 3004X (Ex nR only)				
Protection degree	IP66 or IP66/68				
Ambient temperature	-40 °C ÷ +90 °C (Rubber rings EPDM-60) -60 °C ÷ +180 °C (Rubber rings SILICON)				
Other available	IECEx: IECEx INE 11.0017X				
certificates	INMETRO: CEPEL 12.2177X				
	RINA: ELE411722CS				
	Russian marine certificate (RMRS): 19.02521.280				
	CCC 2023122313116542				

CCOE PESO: P531870

BS standard: EPTI 22 IEC 0423

KC: in progress





ECASEx: 23-06-22481/Q23-06-048569/NB0002

On Request Accessories

Locknuts, Gaskets, PVC Shrouds, Earthing Tags, Sealing (See DL-NW-PTD-ET bulletin)





















Cable gland selection table

Code (1)	Cino	Entry thread size					Inner sheath Dia.		Female thread	Hexagon	Makadal	(3)	
	Size	Metric	(2)	NPT	(2)	ISO 228	(2)	min (mm)	max (mm)	UNI ISO 228 (4)	(mm)	Material	(3)
		100 M10		0 /0!! NIDT		0./0!		4,0	7,0 10,0 3/8"	2 /01	24,0	Nickel Pl. Brass	ON
PNAF#	00	ISO-M16	М	3/8" NPT	N	3/8"	0	7,0		3/8"		Stainless steel	XX
00		IVI	1/2" NPT	IN	1/2"	- G	4,0	7,0	1/2"	32,0	Nickel Pl. Brass	ON	
	ISO-M20		1/ Z" NP1				7,0	10,0	1/2		Stainless steel	XX	
PNAF#	 F# 01	ISO-M20	М	1/2" NPT	N	1/2"	G	5,5 8,0	8,0 10,5	1/2"	32,0	Nickel Pl. Brass	ON
		130-10120	171	1/ Z NF		17.2	- u	10,5	13,0			Stainless steel	XX
PNAF#	02	ISO-M25	М	3/4" NPT	N	3/4"	G	10,5 13,0	13,0 15,5	3/4"	36,0	Nickel Pl. Brass	ON
		130-10123	IVI	3/4 NFT	IN	3/4	<u>u</u>	15,5	18,0	3/4		Stainless steel	XX
PNAF#	03	ISO-M32	М	1" NPT	N	1"	G	15,0 18,0	18,0 21,0	1"	45,0	Nickel Pl. Brass	ON
	03	150-1/132	IVI	INFI	IN	ı	G	21,0	24,0	ı		Stainless steel	XX
PNAF#	04	ISO-M40	М	1 1/4"	N	1 1/4"	G	21,0	24,0	1 1/4"	53,0	Nickel Pl. Brass	ON
	04	150-1410	IVI	NPT	IN	1 1/4"	G	24,0 27,0	27,0 30,0	11/4		Stainless steel	XX
PNAF# 05				1.1./0!!		1 1/2"		24,0	27,0	1 1/2"	61,0	Nickel Pl. Brass	ON
	05	ISO-M50	M	1 1/2" NPT	Ν		G	27,0 30,0	30,0 33,0			Stainless steel	XX
								33,0	36,0				
PNAF# 06	06	ISO-M63	М	2" NPT	Ν	2"	G	36,0 39,0	39,0 42,0	2"	71,0	Nickel Pl. Brass	ON
								42,0	45,0			Stainless steel	XX
PNAF#	07	100 M7E	N 4	2 1/2"	NI	0.4 /01	G	42,0 45,0	45,0 48,0		84,0	Nickel Pl. Brass	ON
	07	ISO-M75	М	NPT	N	2 1/2"	G	48,0 51,0	51,0 54,0	2 1/2"		Stainless steel	XX
								52,0	56,0				
PNAF#	08	100 M00	М	O" NDT	N	3"	G	56,0 59,0	59,0	3"	101,0	Nickel Pl. Brass	ON
	08	ISO-M90	IVI	3" NPT	IN	3	G	62,0	62,0 65,0	3		Stainless steel	XX
								65,0	68,0				
PNAF#	09	ISO-M100	М	(II NIDT		4"	G	68,0 74,0	74,0 80,0	4"	126,0	Nickel Pl. Brass	ON
	09			4" NPT	N			80,0 86,0	86,0 92,0			Stainless steel	XX
		1											$\overline{}$
			_	<u>′</u>									
P N	A F	# 0	1 M	0 N -	→ DNIAI	EO1MON (no	n-hari	rier cable gla	nd nickel plat	ed brass ISO-M20	THR)		
. 14	A 1	<i>"</i>	i liv	U IN	· 1 (NA)	OTIVIOTY (TIO	ıı vall	ici cante glai	ia ilieket plat	.ca Di ass 100-14120	11111./		
P N	A F	# 0	O N	X X -	→ PNAI	F00NXX (noi	n-barr	ier cable glar	nd stainless s	teel)			

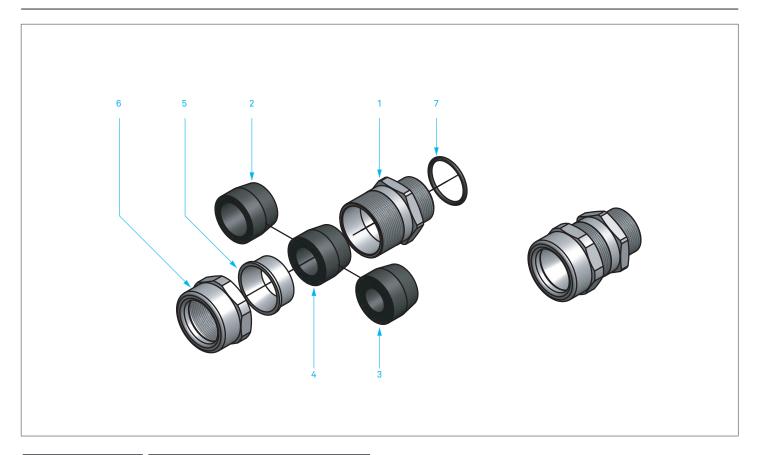
Cable gland ordering examples

Legend

(1) -	cable gland type/model	PNAF# = non-barrier cable gland
(2) -	threading	M = ISO METRIC pitch 1,5mm / N = NPT (ANSI/ASME B1.20.1) / G = ISO-228
(3) -	cable gland material	on = nickel plated brass / XX = AISI-316L stainless steel
(3) -	Female thread	ISO-228 female thread suitable for flexible conduit coupling



PNAF dimensional



1	Body
2 -3 - 4	Inner sealing ring for not armoured cable
5	Pressring
6	Gland nut "female"
7	O-ring (only for metrical)

REMARK

Due to the development of the national and international specifications and of the technology, the above technical characteristics showed on this bulletin can be considered as binding on our confirmation only.