

PA Cable glands for armoured cables

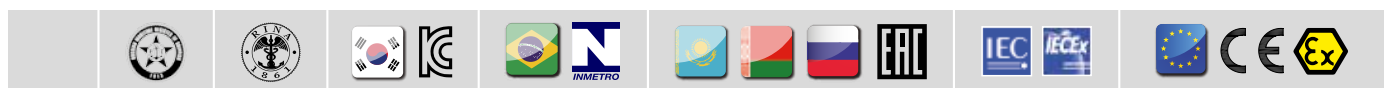
Explosion Proof Electrical Equipment



Ex Cable Glands

Installation: hazardous areas - Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts)

Classification: Group II - Category 2G 2D



REFERENCE STANDARDS

Directive 94/9/EC (until April 19th, 2016) and Directive 2014/34/EU (from April 20th, 2016)	
EXECUTION	⊗ II 2 G Ex d / Exe / Exia IIC Gb ⊗ II 2 D Ex tb IIIC Db
RULES OF COMPLIANCE	EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-31
EC Type-Examination Certificate	INERIS 09 ATEX 0028X
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 CERTIFICATES	IECEx: IECEx INE 11.0017X INMETRO: CEPEL 12.2177X EAC: TC RU C-IT.ГБ08.B 01624 (-75°C ÷ +180°C) RINA: ELE1811CS_016 RUSSIAN MARINE CERTIFICATE (RMRS): 13.03518.315 Kc (Korean certification):14-KB4B0-0455X

Mechanical characteristics

Body / cap	OT-58 marine brass (ON) - AISI-316L stainless steel (IX)
Finishes	full nickel plating treatment (brass material only)
Rubber rings	EPDM rubber- 50-60 shore hardness - Silicon rubber - 60 shore hardness
O-ring	silicon rubber - 60 shore hardness
Skid washer	nylon 6.0
Chamber for sealing	OT-58 marine brass ("R" version only)

Applications

For steel wire armoured cables (swa) for steel tape armoured cables
Single compression type for indoor and outdoor use
Provided armour clamping using clamping arrangements suitable for all armour wire/braid types
Single compression - under armour and overall of armour cable (inner and outer sealing)
Sealing with proper resin into "chamber of sealing" (on barrier type version "r" only)

On Request Accessories:

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



PA Cable gland selection table

CODE		ENTRY THREAD SIZE			DIA. UNDER ARMOUR		OUTER SHEATH DIA. max [mm]	HEXAGON [mm]	MATERIAL	(3)
		METRIC (2)	NPT (2)	UNI ISO 228 (2)	min [mm]	max [mm]				
PA# PA-R#	00*	ISO-M20	1/2"NPT	1/2"	4,0	7,0	10,0	24,0	NICKEL PL.BRASS	ON
					7,0	10,0			STAINLESS STEEL	IX
PA# PA-R#	01	ISO-M20	1/2"NPT	1/2"	5,5	8,0	13,0	32,0	NICKEL PL.BRASS	ON
					8,0	10,5			STAINLESS STEEL	IX
					10,5	13,0				
PA# PA-R#	02	ISO-M25	3/4"NPT	3/4"	10,5	13,0	18,0	36,0	NICKEL PL.BRASS	ON
					13,0	15,5			STAINLESS STEEL	IX
					15,5	18,0				
PA# PA-R#	03	ISO-M32	1"NPT	1"	15,0	18,0	24,0	45,0	NICKEL PL.BRASS	ON
					18,0	21,0			STAINLESS STEEL	IX
					21,0	24,0				
PA# PA-R#	04	ISO-M40	1 1/4"NPT	1 1/4"	21,0	24,0	30,0	53,0	NICKEL PL.BRASS	ON
					24,0	27,0			STAINLESS STEEL	IX
					27,0	30,0				
PA# PA-R#	05	ISO-M50	1 1/2"NPT	1 1/2"	24,0	27,0	36,0	61,0	NICKEL PL.BRASS	ON
					27,0	30,0			STAINLESS STEEL	IX
					30,0	33,0				
PA# PA-R#	06	ISO-M63	2"NPT	2"	36,0	39,0	45,0	71,0	NICKEL PL.BRASS	ON
					39,0	42,0			STAINLESS STEEL	IX
					42,0	45,0				
PA# PA-R#	07	ISO-M75	2 1/2"NPT	2 1/2"	42,0	45,0	54,0	84,0	NICKEL PL.BRASS	ON
					45,0	48,0			STAINLESS STEEL	IX
					48,0	51,0				
PA# PA-R#	08	ISO-M90	3"NPT	3"	51,0	54,0	68,0	101,0	NICKEL PL.BRASS	ON
					52,0	56,0			STAINLESS STEEL	IX
					56,0	59,0				
PA# PA-R#	09	ISO-M100	4"NPT	4"	59,0	62,0	92,0	126,0	NICKEL PL.BRASS	ON
					62,0	65,0			STAINLESS STEEL	IX
					65,0	68,0				
					68,0	74,0				
					74,0	80,0				
					80,0	86,0				
					86,0	92,0				

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CABLE GLAND ORDERING EXAMPLES

PA#	01	M	ON	= PA#01MON	(NON-BARRIER CABLE GLAND NICKEL PLATED BRASS ISO-M20 THR.)
PA#	03	N	IX	= PA#03NIX	(NON-BARRIER CABLE GLAND STAINLESS STEEL 1"NPT THR.)

***NOTE:** 00 SIZE WITH ISO-M16 o 3/8" NPT-3/8" ISO-228 BODY, ON REQUEST

LEGEND

(1)	CABLE GLAND TYPE/MODEL	PA# = NON-BARRIER CABLE GLAND - PA-R# = BARRIER CABLE GLAND
(2)	THREADING	M = ISO METRIC pitch 1,5mm - N = NPT (ANSI/ASME B1.20.1) - G = UNI ISO-228
(3)	CABLE GLAND MATERIAL	ON = NICKEL PLATED MARINE BRASS - IX = AISI-316L STAINLESS STEEL

PA DIMENSIONAL

1	BODY
2-3-4	INNER SEALING RING FOR ARMoured CABLE
5	ARMOUR CLAMPING CONE
6	ARMOUR CLAMPING RING FOR ARMoured CABL
7	ANTI RUBBING WASHER
8	GLAND NUT
9	O-RING (ONLY FOR METRICAL)
10	*CHAMBER FOR SEALING ("R" VERSION ONLY)

* Chamber will be filled with sealing when cable gland is completely assembled.

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.