

PAPD

Cable glands for armoured, lead sheathed 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 steel wire armoured cables (swa) for steel tape armoured cables and for lead inner sheath cables

Double Compression Type For Indoor And Outdoor Use

Provided armour clamping using clamping arrangements suitable for all armour wire/braid types

Internal lead device for electrical bond of cable lead inner sheath

Double compression – under armour and overall of armour cable (inner and outer sealing)

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	 				
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				
	ECASEx: 23-06-22481/Q23-06-048569/NB0002				
	KC: in progress				
	BS standard: EPTI 22 IEC 0423				

On Request Accessories

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





















Cable gland selection table

Cinc		Entry thread size					Dia. und	Dia. under armour		eath Dia.	Hexagon	Mahadal	(2)
Size	Metric	(2)	NPT	(2)	ISO 228	(2)	min (mm)	max (mm)	min (mm)	max (mm)	(mm)	Material	(3)
0.1	100 1400		4 /OII NIDT	N.I.	4 /01		3,5	6,0	10,0		00.0	Nickel pl. brass	10
°APD# 01 ISO	15U-M20	IVI	1/2" NPT	N	1/2"	G	6,0 8,5	8,5 11,0	14,0		32,0	Stainless steel	XX
02	ICO MAE	N /	2 / / " NIDT	N.I.	2//"		8,5	11,0	15,0	20,0 24,0	36,0	Nickel pl. brass	10
	150-10125	IVI	3/4 NP1		3/4	. <u> </u>	13,5	16	19,0			Stainless steel	XX
U3	ISO-M32	М	1" NDT	N	1"	G	13,0	16,0	20,0	26,0 31,0	45,0	Nickel pl. brass	10
		101					19,0	22,0	25,0			Stainless steel	XX
04	ISO-M40	М	1 1/4"	N	1 1 / / / "	G	19,0	22,0 25.0	26,0	32,0 37.0	53,0	Nickel pl. brass	40
	130-10140	IVI	NPT		1 1/4	<u>u</u>	25,0	28,0	34,0	40,0		Stainless steel	XX
			1 1 / 2 "				22,0 25.0	25,0	30,0	37,0 43,0 47,0	61,0	Nickel pl. brass	40
05	ISO-M50	М	NPT	N	1 1/2"	G	28,0 31,0	31,0 34,0	36,0 40,0			Stainless steel	XX
	100 M00	N.4	OLNDT	N.I.	0.11		34,0	37,0	42,0	48,0	71,0	Nickel pl. brass	10
06	15U-1V163	IVI	Z" NPT	IN	Ζ"	G	37,0 40,0	40,0	47,0 50,0	53,0 56,0		Stainless steel	XX
	ISO-M75		2 1 / 2 "	N	2 1/2"	G	40,0	43,0	52,0	58,0		Nickel pl. brass	10
PD# 07		М	NPT				46,0	49,0	58,0 61,0		84,0	Stainless steel	
													- —
0.0	100 1400		OLNDT	N.I.	Oll	0	56,0	59,0	65,0	72,0 78,0 81,0	101,0	Nickel pl. brass	01
.PD# 08	150-M90	IVI	3" NP1	IN	3"	G	60,0	63,0	71,0 74,0			Stainless steel	XX
							63,0						- —
							58,0 66,0	66,0 72,0	81,0	88,0 96,0 104,0	126,0	Nickel pl. brass	40
09	ISO-M100	M	4" NPT	N	4"	G	72,0 78,0 84,0	78,0 84,0 90,0	88,0 96,0			Stainless steel	XX
													- <u> </u>
P D	# 0 1	М	0 N -	→ PAP[D#01MON (non-b	arrier cable	gland nicke	l plated bras	ss ISO-M20 7	THR.)		
	" 0 0	١			21100112011					IDT TUD \			
	L	01 ISO-M20 02 ISO-M25 03 ISO-M32 04 ISO-M40 05 ISO-M50 06 ISO-M63 07 ISO-M75 08 ISO-M90 09 ISO-M100	Metric (2) 01 ISO-M20 M 02 ISO-M25 M 03 ISO-M32 M 04 ISO-M40 M 05 ISO-M50 M 06 ISO-M63 M 07 ISO-M75 M 08 ISO-M90 M 09 ISO-M100 M P D # 0 1 M	Size Metric (2) NPT 01 ISO-M20 M 1/2" NPT 02 ISO-M25 M 3/4" NPT 03 ISO-M32 M 1" NPT 04 ISO-M40 M 1 1/4" NPT 05 ISO-M50 M 1 1/2" NPT 06 ISO-M63 M 2" NPT 07 ISO-M75 M 2 1/2" NPT 08 ISO-M90 M 3" NPT 09 ISO-M100 M 4" NPT P D # 0 1 M 0 N	Size Metric (2) 01 ISO-M20 M 1/2" NPT N 02 ISO-M25 M 3/4" NPT N 03 ISO-M32 M 1" NPT N 04 ISO-M40 M 11/4" NPT N 05 ISO-M50 M 11/2" NPT N 06 ISO-M63 M 2" NPT N 07 ISO-M75 M 21/2" NPT N 08 ISO-M90 M 3" NPT N 09 ISO-M100 M 4" NPT N	Metric (2) NPT (2) ISO 228 01 ISO-M20 M 1/2" NPT N 1/2" 02 ISO-M25 M 3/4" NPT N 3/4" 03 ISO-M25 M 3/4" NPT N 1" 04 ISO-M32 M 1" NPT N 1" 05 ISO-M40 M 11/2" NPT N 11/2" 06 ISO-M50 M 2" NPT N 2" 07 ISO-M63 M 2" NPT N 2 1/2" 08 ISO-M75 M 2" NPT N 2 1/2" 08 ISO-M90 M 3" NPT N 3" 09 ISO-M100 M 4" NPT N 4"	Metric (2) NPT (2) ISO 228 (2) 01 ISO-M20 M 1/2" NPT N 1/2" G 02 ISO-M25 M 3/4" NPT N 3/4" G 03 ISO-M32 M 1" NPT N 1" G 04 ISO-M40 M 11/4" NPT N 11/4" G 05 ISO-M50 M 11/2" N 11/2" G 06 ISO-M63 M 2" NPT N 2" G 07 ISO-M75 M 21/2" NPT N 21/2" G 08 ISO-M90 M 3" NPT N 3" G 09 ISO-M100 M 4" NPT N 4" G	Metric (2) NPT (2) ISO 228 (2) min (mm)	Metric (2) NPT (2) ISO 228 (2) min (mm) max (mm)	NPT N 11/2" NPT N 11/2" NPT N NPT N	Netric C NPT C ISO 228 C min (mm) max (mm	Netric Netric	Metric M

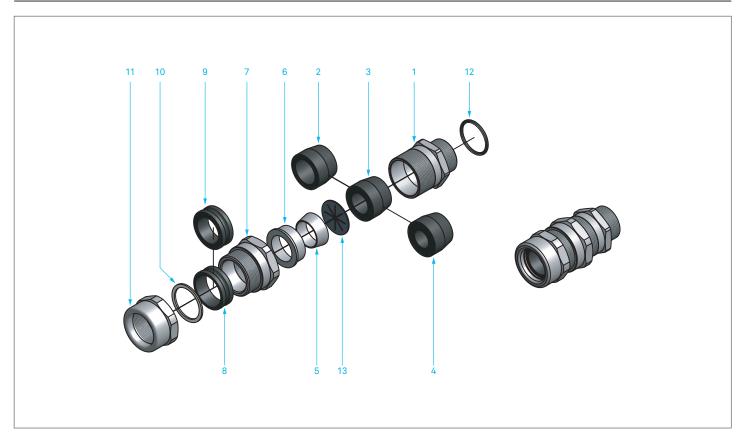
Cable gland ordering examples

Legend

(1) -	cable gland type/model	PAPD# = 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 = stainless steel AISI-316L



PAPD dimensional



1	Body
2 - 3 - 4	Inner sealing ring for armoured cable
5	Armour clamping cone
6	Armour clamping ring for armoured cable
7	Gland barrel
8 - 9	Outer sealing ring
10	Anti rubbing washer
11	Gland nut
12	O-ring (only for metrical)
13	Lead washer

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.