

Cable Glands for All Types of Armoured Cables

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Technical Details		
Material	Body, Cap	Brass, Brass Nickel Plated, Stainless Steel, Aluminium
	Inner Part	Brass, Brass Nickel Plated, Stainless Steel, Aluminium
	Seal	CR (Chloroprene), Silicone
	O-ring	CR (Chloroprene), Silicone
Ingress Protection Rating	IP 68 - 5 Bar, 30 min IP 66	
Operating Temperature	Seal Material	
	CR (Chloroprene)	Silicone
Standard	-40°C to +100°C	-60°C to +130°C
LT Type	-40°C to +80°C	-60°C to +80°C
Equipment For	Gas & Dust potentially explosive atmospheres	
Suitable for use in	Group II	Gas Group IIC ZONE1/ZONE2
	Group III	Dust Group IIIC ZONE21/ZONE 22
Equipment Marking	Ex II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db	
Marking Example *	BMD KBAU.. CE 0722  II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db Ta-60°C +130°C IP66/68 CESI 13 ATEX 033X IECEx CES 13.0013X	
Thread Type	• Metric (M) ISO Pitch 1,5 • NPT (N) ANSI ASME B1.20.1 • Other thread types also available upon request.	
Cable Type	SWA - SWB - STA - PWA - AWA - Shielded	
Accessories	• Lock nuts • Gaskets (Washers) • Serrated Washers • Shrouds • Earth tags	
Remarks	• O-ring available in Metric outer threads. • Accessories must be ordered separately.	
Approvals	Certificate Number	Standards
	CESI 13 ATEX 033X	EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-7:2015 EN 60079-31:2014
	IECEx CES 13.0013X	IEC 60079-0:2011 Edition:6 IEC 60079-1:2014 Edition:7 IEC 60079-31:2013 Edition:2 IEC 60079-7:2015-08 Edition:5
	20150612-E474828	UL 2225, CAN/CSA-C22.2 No. 60079-0:11 CAN/CSA C22.2 No. 60079-7:12 CAN/CSA-C22.2 No. 60079-31:12
	20170315-E199260	UL 514B UL 50E
	№ TC RU C-TR.AA87.B.00941	ГОСТ 31610.0-2014 ГОСТ IEC 60079-1:2013 ГОСТ IEC 60079-31:2013
	DNV 12.0053 X	ABNT NBR IEC 60079-0:2013, ABNT NBR IEC 60079-1:2009, ABNT NBR IEC 60079-7:2008, ABNT NBR IEC 60079-31:2011
	E-14044	IEC/EN60079-0, IEC/EN60079-7, IEC/EN60079-31 IEC/EN60079-1, IEC/EN 62444
	MASC MS/18-0240X	SANS (IEC) 60079-0 : 2011 SANS (IEC) 60079-1 : 2014 SANS (IEC) 60079-7 : 2007 SANS (IEC) 60079-31 : 2014
-For more information see our webpage.		
* The standard marking consists ATEX & IECEx only. Marking acc. to other standards on request.		

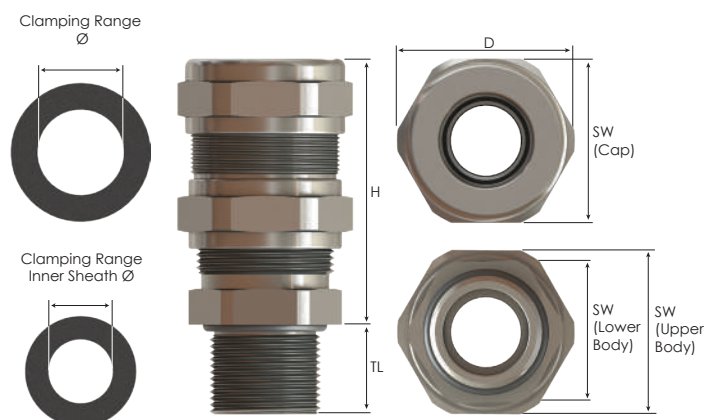


With armour reduction cone it can be used for shielded, SWB and STA cable. When armour reduction cone is taken out it can be used for armoured SWA and AWA cables.

Order Coding								
Part Number	Material	Seal	-	Gasket (Washer)	Serrated Washer	Lock Nut	Shroud	Earth Tag
Mandatory	Mandatory	Mandatory	-	Option	Option	Option	Option	Option
See table	B Brass BN Brass nickel plated X Stainless steel 316L A Aluminium	C Chloroprene S Silicone	-	WC Chloroprene WS Silicone WF Fiber	WSR Serrated washer	L Lock nut	S Shroud	E Earth tag
Example								
KBAU4M	BN	S	-	WC	WSR	L	S	E

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Thread Type METRIC acc. to ISO 965 - 3

Outer Thread Size (Male)	Clamping Range		Armour Wire Ø min-max mm	Shield Wire Ø min-max mm	Outer Thread Length TL mm	Cap SW Cap mm	Spanner Width		Outer Ø D mm	max. Height H mm	Part Number
	Inner Sheath Ø min-max mm	Ø min-max mm					Upper Body SW Upper Body mm	Lower Body SW Lower Body mm			
M12x1,5	3,0 - 7,5	6,0 - 12,0	0,70 - 1,20	0,2 - 0,5	15,0	26	26	22	29,0	50,5	KBAU0SLM
M16x1,5	3,0 - 8,5	6,0 - 12,0	0,70 - 1,20	0,2 - 0,5	16,0	26	26	22	29,0	49,5	KBAU01SM
	6,0 - 12,0	8,5 - 16,0	0,70 - 1,25	0,2 - 0,5	16,0	29	29	25	31,5	52,0	KBAU01M
M20x1,5	3,0 - 8,5	6,0 - 12,0	0,70 - 1,20	0,2 - 0,5	16,0	26	26	24	29,0	50,0	KBAU1SM
	6,0 - 12,0	8,5 - 16,0	0,70 - 1,25	0,2 - 0,5	16,0	29	29	25	31,5	51,5	KBAU1M
	8,5 - 14,5	12,0 - 20,0	0,90 - 1,30	0,2 - 0,5	16,0	32	30	28	35,0	54,0	KBAU1LM
M25x1,5	3,0 - 8,5	6,0 - 12,0	0,70 - 1,20	0,2 - 0,5	18,0	26	26	29	31,5	50,0	KBAU2XSM
	6,0 - 12,0	8,5 - 16,0	0,70 - 1,25	0,2 - 0,5	18,0	29	29	29	31,5	52,5	KBAU2SM
	8,5 - 16,0	12,0 - 21,0	0,70 - 1,20	0,5 - 0,7	18,0	34	34	32	37,0	56,5	KBAU2M
	12,0 - 20,0	16,0 - 26,0	1,30 - 1,70	0,2 - 0,5	18,0	40	40	36	44,0	63,0	KBAU2LM
M32x1,5	6,0 - 12,0	8,5 - 16,0	0,70 - 1,25	0,2 - 0,5	18,0	29	29	36	39,8	52,5	KBAU3XSM
	12,0 - 20,0	16,0 - 26,0	1,30 - 1,70	0,2 - 0,5	18,0	40	40	40	44,0	64,0	KBAU3SM
	15,0 - 26,0	20,0 - 33,0	1,20 - 1,80	0,2 - 0,8	18,0	52	52	48	57,0	81,0	KBAU3M
M40x1,5	12,0 - 20,0	16,0 - 26,0	1,30 - 1,70	0,2 - 0,5	18,0	40	40	45	50,0	64,0	KBAU4XSM
	15,0 - 26,0	20,0 - 33,0	1,20 - 1,80	0,2 - 0,8	18,0	52	52	48	57,0	81,0	KBAU4SM
	20,0 - 32,0	29,0 - 41,0	1,60 - 2,20	0,2 - 0,8	18,0	60	60	55	66,0	92,0	KBAU4M
M50x1,5	15,0 - 26,0	20,0 - 33,0	1,20 - 1,80	0,2 - 0,8	18,0	52	52	54	60,0	81,0	KBAU5XSM
	20,0 - 32,0	29,0 - 41,0	1,60 - 2,20	0,2 - 0,8	18,0	60	60	55	66,0	92,0	KBAU5XMM
	22,0 - 35,0	33,0 - 48,0	2,00 - 2,80	0,2 - 1,0	18,0	75	70	60	83,0	100,0	KBAU5SM
	27,0 - 41,0	36,0 - 52,0	1,80 - 2,80	0,3 - 1,4	18,0	74	70	70	81,8	104,5	KBAU5M
M63x1,5	22,0 - 35,0	33,0 - 48,0	2,00 - 2,80	0,2 - 1,0	20,0	75	70	68	83,0	100,0	KBAU6XSM
	27,0 - 41,0	36,0 - 52,0	1,80 - 2,80	0,3 - 1,4	20,0	74	70	70	81,8	104,5	KBAU6XMM
	35,0 - 45,0	43,0 - 57,0	1,80 - 2,80	0,3 - 1,0	20,0	80	80	75	89,5	109,5	KBAU6SM
	40,0 - 52,0	47,0 - 60,0	1,80 - 2,80	0,6 - 1,5	20,0	85	85	85	94,0	111,5	KBAU6M
M75x1,5	35,0 - 45,0	43,0 - 57,0	1,80 - 2,80	0,3 - 1,0	20,0	80	80	85	94,0	109,5	KBAU7XSM
	40,0 - 52,0	47,0 - 60,0	1,80 - 2,80	0,6 - 1,5	20,0	85	85	85	94,0	111,5	KBAU7SM
	45,0 - 60,0	54,0 - 70,0	1,00 - 2,30	0,2 - 1,2	20,0	100	95	90	110,5	127,5	KBAU7M
M90x1,5	40,0 - 52,0	47,0 - 60,0	1,80 - 2,80	0,6 - 1,5	20,0	85	85	100	110,5	111,5	KBAU8XSM
	45,0 - 60,0	54,0 - 70,0	1,00 - 2,30	0,2 - 1,2	20,0	100	95	95	110,5	127,5	KBAU8SM
	60,0 - 72,0	63,0 - 80,0	1,00 - 3,50	0,2 - 1,9	20,0	115	115	110	127,0	158,0	KBAU8M
M110x1,5	45,0 - 60,0	54,0 - 70,0	1,00 - 2,30	0,2 - 1,2	20,0	100	95	120	128,0	127,5	KBAU10SM
	60,0 - 72,0	63,0 - 80,0	1,00 - 3,50	0,2 - 1,9	20,0	115	115	120	128,0	158,0	KBAU10M

Thread Type METRIC acc. to ISO 965 - 3 (LT Type)

Outer Thread Size (Male)	Clamping Range		Armour Wire Ø min-max mm	Shield Wire Ø min-max mm	Outer Thread Length TL mm	Cap SW Cap mm	Spanner Width		Outer Ø D mm	max. Height H mm	Part Number
	Inner Sheath Ø min-max mm	Ø min-max mm					Upper Body SW Upper Body mm	Lower Body SW Lower Body mm			
M90x2,0	70,0 - 82,0	78,0 - 90,0	1,5 - 4,4	0,2 - 2,4	20,0	120	120	120	134,0	159,5	KBAU8MLT
M100x2,0	80,0 - 92,0	88,0 - 100,0	1,2 - 4,0	0,2 - 2,2	20,0	135	135	135	150,0	169,0	KBAU9SM
M110x2,0	90,0 - 101,0	98,0 - 110,0	2,1 - 5,4	0,2 - 3,1	20,0	145	145	145	162,0	180,0	KBAU10MLT
M130x2,0	100,0 - 115,0	109,0 - 123,0	2,0 - 5,4	0,2 - 3,0	24,0	160	160	160	176,0	202,0	KBAU13MLT

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	Seal	CR (Chloroprene), Silicone
	O-ring	CR (Chloroprene), Silicone
Ingress Protection Rating		IP 68 - 5 Bar, 30 min IP 66
Operating Temperature		Seal Material CR (Chloroprene) Silicone
Standard		-40°C to +100°C -60°C to +130°C
LT Type		-40°C to +80°C -60°C to +80°C
Equipment For		
Suitable for use in		
Equipment Marking		
Marking Example *		
Thread Type		
Cable Type		
Accessories		
Remarks		
Approvals	Certificate Number	Standards
	CESI 13 ATEX 033X	EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-7:2015 EN 60079-31:2014
	IECEx CES 13.0013X	IEC 60079-0:2011 Edition:6 IEC 60079-1:2014 Edition:7 IEC 60079-31:2013 Edition:2 IEC 60079-7:2015-08 Edition:5
	20150612-E474828	UL 2225, CAN/CSA-C22.2 No. 60079-0:11 CAN/CSA C22.2 No. 60079-7:12 CAN/CSA-C22.2 No. 60079-31:12
	20170315-E199260	UL 514B UL 50E
	№ TC RU C-TR.AA87.B.00941	ГОСТ 31610.0-2014 ГОСТ IEC 60079-1:2013 ГОСТ IEC 60079-31:2013
	DNV 12.0053 X	ABNT NBR IEC 60079-0:2013, ABNT NBR IEC 60079-1:2009, ABNT NBR IEC 60079-7:2008, ABNT NBR IEC 60079-31:2011
	E-14044	IEC/EN60079-0, IEC/EN60079-7, IEC/EN60079-31 IEC/EN60079-1, IEC/EN 62444
	MASC MS/18-0240X	SANS (IEC) 60079-0 : 2011 SANS (IEC) 60079-1 : 2014 SANS (IEC) 60079-7 : 2007 SANS (IEC) 60079-31 : 2014
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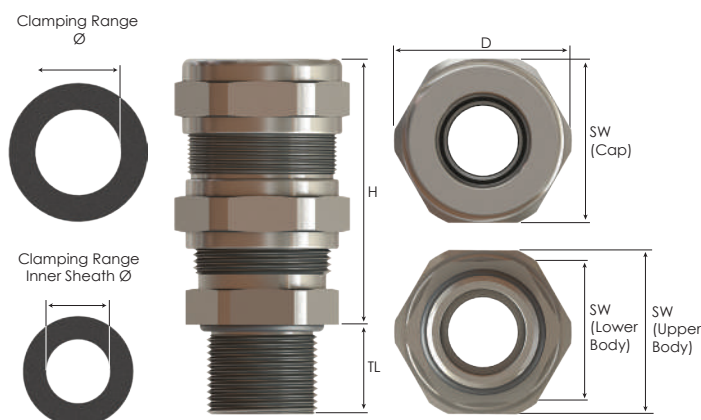


With armour reduction cone it can be used for shielded, SWB and STA cable. When armour reduction cone is taken out it can be used for armoured SWA and AWA cables.

Order Coding								
Part Number	Material	Seal	-	Gasket (Washer)	Serrated Washer	Lock Nut	Shroud	Earth Tag
Mandatory	Mandatory	Mandatory	-	Option	Option	Option	Option	Option
See table	B Brass BN Brass nickel plated X Stainless steel 316L A Aluminium	C Chloroprene S Silicone	-	WC Chloroprene WS Silicone WF Fiber	WSR Serrated washer	L Lock nut	S Shroud	E Earth tag
Example KBAU4M	BN	S	-	WC	WSR	L	S	E

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Thread Type **NPT** acc. to ANSI ASME B1.20.1

Outer Thread Size (Male)	Clamping Range		Armour Wire Ø min - max mm	Shield Wire Ø min - max mm	Outer Thread Length TL mm	Spanner Width			Outer Ø D mm	max. Height H mm	Part Number
	Inner Sheath Ø min - max mm	Ø min - max mm				Cap SW Cap mm	Upper Body SW Upper Body mm	Lower Body SW Lower Body mm			
NPT 1/4"	3,0 - 8,0	6,0 - 12,0	0,70 - 1,20	0,2 - 0,5	15,0	26	26	22	29,0	50,0	KBAU0SLN
NPT 3/8"	3,0 - 8,5	6,0 - 12,0	0,70 - 1,20	0,2 - 0,5	16,0	26	26	22	29,0	49,5	KBAU01SN
	6,0 - 12,0	8,5 - 16,0	0,70 - 1,25	0,2 - 0,5	16,0	29	29	25	31,5	52,0	KBAU01N
NPT 1/2"	3,0 - 8,5	6,0 - 12,0	0,70 - 1,20	0,2 - 0,5	16,0	26	26	24	29,0	49,5	KBAU1SN
	6,0 - 12,0	8,5 - 16,0	0,70 - 1,25	0,2 - 0,5	16,0	29	29	25	31,5	51,0	KBAU1N
NPT 3/4"	8,5 - 14,5	12,0 - 20,0	0,90 - 1,30	0,2 - 0,5	16,0	32	30	28	35,0	54,0	KBAU1LN
	3,0 - 8,5	6,0 - 12,0	0,70 - 1,20	0,2 - 0,5	16,0	26	26	29	31,5	50,0	KBAU2XSN
	6,0 - 12,0	8,5 - 16,0	0,70 - 1,25	0,2 - 0,5	18,0	29	29	29	31,5	52,5	KBAU2SN
	8,5 - 16,0	12,0 - 21,0	0,70 - 1,20	0,5 - 0,7	16,0	34	34	32	37,0	56,5	KBAU2N
NPT 1"	12,0 - 20,0	16,0 - 26,0	1,30 - 1,70	0,2 - 0,5	16,0	40	40	36	44,0	62,5	KBAU2LN
	6,0 - 12,0	8,5 - 16,0	0,70 - 1,25	0,2 - 0,5	21,0	29	29	36	39,8	52,5	KBAU3XSN
	12,0 - 20,0	16,0 - 26,0	1,30 - 1,70	0,2 - 0,5	21,0	40	40	40	44,0	64,0	KBAU3SN
	15,0 - 26,0	20,0 - 33,0	1,20 - 1,80	0,2 - 0,8	21,0	52	52	48	57,0	80,5	KBAU3N
NPT 1 1/4"	12,0 - 20,0	16,0 - 26,0	1,30 - 1,70	0,2 - 0,5	21,0	40	40	45	50,0	64,0	KBAU4XSN
	15,0 - 26,0	20,0 - 33,0	1,20 - 1,80	0,2 - 0,8	21,0	52	52	48	57,0	81,0	KBAU4SN
	20,0 - 32,0	29,0 - 41,0	1,60 - 2,20	0,2 - 0,8	18,0	60	60	55	66,0	92,0	KBAU4N
NPT 1 1/2"	15,0 - 26,0	20,0 - 33,0	1,20 - 1,80	0,2 - 0,8	21,0	52	52	54	60,0	81,0	KBAU5XSN
	20,0 - 32,0	29,0 - 41,0	1,60 - 2,20	0,2 - 0,8	21,0	60	60	55	66,0	92,0	KBAU5XMN
	22,0 - 35,0	33,0 - 48,0	2,00 - 2,80	0,2 - 1,0	21,0	75	70	60	83,0	100,0	KBAU5SN
	27,0 - 41,0	36,0 - 52,0	1,80 - 2,80	0,3 - 1,4	21,0	74	70	70	81,8	104,5	KBAU5N
NPT 2"	22,0 - 35,0	33,0 - 48,0	2,00 - 2,80	0,2 - 1,0	21,0	75	70	68	83,0	100,0	KBAU6XSN
	27,0 - 41,0	36,0 - 52,0	1,80 - 2,80	0,3 - 1,4	21,0	74	70	70	81,8	104,5	KBAU6XMN
	35,0 - 45,0	43,0 - 57,0	1,80 - 2,80	0,3 - 1,0	20,0	80	80	75	89,5	109,5	KBAU6SN
	40,0 - 52,0	47,0 - 60,0	1,80 - 2,80	0,6 - 1,5	21,0	85	85	85	94,0	111,5	KBAU6N
NPT 2 1/2"	35,0 - 45,0	43,0 - 57,0	1,80 - 2,80	0,3 - 1,0	21,0	80	80	80	89,5	109,0	KBAU7XSN
	40,0 - 52,0	47,0 - 60,0	1,80 - 2,80	0,6 - 1,5	21,0	85	85	85	94,0	111,5	KBAU7SN
	45,0 - 60,0	54,0 - 70,0	1,00 - 2,30	0,2 - 1,2	20,0	100	95	90	110,5	127,5	KBAU7N
NPT 3"	40,0 - 52,0	47,0 - 60,0	1,80 - 2,80	0,6 - 1,5	21,0	85	85	95	105,0	111,5	KBAU8XSN
	45,0 - 60,0	54,0 - 70,0	1,00 - 2,30	0,2 - 1,2	21,0	100	95	95	110,5	127,5	KBAU8SN
	60,0 - 72,0	63,0 - 80,0	1,00 - 3,50	0,2 - 1,9	21,0	115	115	110	127,0	158,0	KBAU8N
NPT 3 1/2"	45,0 - 60,0	54,0 - 70,0	1,00 - 2,30	0,2 - 1,2	21,0	100	95	110	123,0	127,5	KBAU9SN
	60,0 - 72,0	63,0 - 80,0	1,00 - 3,50	0,2 - 1,9	21,0	115	115	110	127,0	158,0	KBAU9N

Thread Type **NPT** acc. to ANSI ASME B1.20.1 (LT Type)

Outer Thread Size (Male)	Clamping Range		Armour Wire Ø min - max mm	Shield Wire Ø min - max mm	Outer Thread Length TL mm	Spanner Width			Outer Ø D mm	max. Height H mm	Part Number
	Inner Sheath Ø min - max mm	Ø min - max mm				Cap SW Cap mm	Upper Body SW Upper Body mm	Lower Body SW Lower Body mm			
NPT 3 1/2"	70,0 - 82,0	78,0 - 90,0	1,5 - 4,4	0,2 - 2,4	45,0	120	120	120	134,0	159,5	KBAU9MNL
NPT 4"	80,0 - 92,0	88,0 - 100,0	1,2 - 4,0	0,2 - 2,2	46,0	135	135	135	150,0	169,0	KBAU10SNLT
	90,0 - 101,0	98,0 - 110,0	2,1 - 5,4	0,2 - 3,1	46,0	145	145	145	162,0	180,0	KBAU10NLT
NPT 5"	100,0 - 115,0	109,0 - 123,0	2,0 - 5,4	0,2 - 3,0	48,0	160	160	160	176,0	202,0	KBAU11SNLT