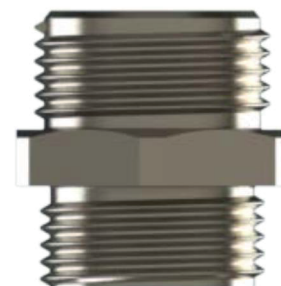


CRUX

Cable Glands for Non-Armoured Cables

Technical Details			
Material	Body, Cap	Brass, Brass Nickel Plated, Stainless Steel	
	Inner Parts	Brass, Brass Nickel Plated, Stainless Steel	
	Seal	Halogen Free Silicone	
	O-ring	Halogen Free Silicone	
Ingress Protection Rating		IP 68 - 5 Bar, 30 min IP 66	
Operating Temperature		Seal Material Silicone -60°C to +130°C	
Equipment For		Gas & Dust potentially explosive atmospheres	
Suitable for use in		Group II Group III	Gas Group IIC Dust Group IIIC ZONE1/ZONE2 ZONE21/ZONE 22
Equipment Marking		Ex II 2GD Ex eb IIC Gb Ex tb IIIC Db	
Thread Type		• Metric (M) ISO Pitch 1.5 • NPT (N) ANSI ASME B1.20.1 • Other thread types also available upon request.	
Cable Type		Non-armoured & Braided when terminated inside enclosure	
Accessories		• Lock nuts • Deluge Seal • Gaskets (Washers) • Serrated Washers • Earth tags • Shroud	
Remarks		• Accessories must be ordered separately	
Approvals		Certificate Number	Standards
		CESI 21 ATEX 031X	EN 60079-0, -1, -7, -31
		IECEx CES 22.0009X	IEC 60079-0, -1, -7, -31
		2024312313000605	IEC 60079-0,-1,-7,-31
		TC RU C-TR.AA87.B.01120/23	ГОСТ 31610.0-2014 ГОСТ IEC 60079-1:2013 ГОСТ IEC 60079-31:2013
		DNV 23.0154 X	ABNT NBR IEC 60079-0:2013 ABNT NBRIEC 60079-1:2009 ABNT NBR IEC 60079-7:2008 ABNT NBR IEC 60079-31:2011
		TAE00003WU	IEC 60079-0,-1,-7,-31
-For details of approvals, see our website. * The standard marking consists ATEX & IECEx only. Marking acc. to other standards on request.			

Crux



Order Coding									
Part Number	Material	Seal	-	Gasket (Washer)	Serrated Washer	Lock Nut	Shroud	Earth Tag	Deluge Seal
Mandatory	Mandatory	Mandatory	-	Option	Option	Option	Option	Option	Option
See table	B Brass BN Brass nickel plated X Stainless steel 316L	S Silicone	-	WS Silicone	WSR Serrated washer	L Lock nut	S Shroud	E Earth tag	D Deluge Seal
Example CRX1SM	BN	S	-	WS	WSR	L	S	E	D

Hazardous Applications

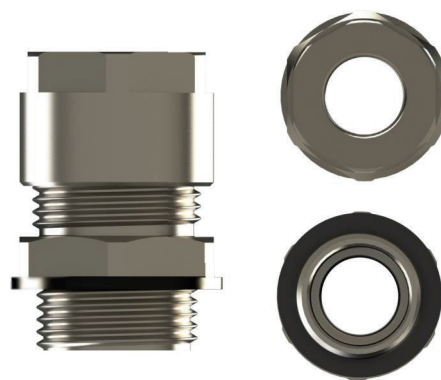
EX - e CRUX

Gas&Dust / Metal Products / Cable Glands for Armoured Cables

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CRUX

Cable Glands for Non-Armoured Cables



Hazardous Applications

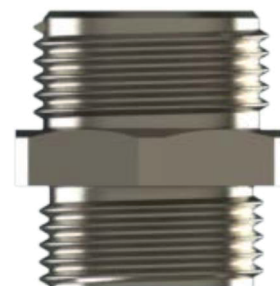
Thread Type METRIC acc. To ISO 965-3							
Outer Thread Size (Male)	Clamping Range	Outer Thread Length	Spanner Width		max. Height	Outer Ø	Part Number
	Ø min-max mm		SW Body mm	SW Cap mm	H mm.	D mm	
M12	3.0 - 8.0	9.0	16.0	16.0	29.3	18.0	CRX0SM
M16	3.0 - 8.0	9.0	20.0	16.0	28.2	22.0	CRX01SM
	5.5 - 12.0	9.0	20.0	22.0	28.2	22.0	CRX01M
M20	3.0 - 8.0	9.0	24.0	16.0	28.2	26.5	CRX1XSM
	5.5 - 12.0	9.0	24.0	22.0	29.2	26.5	CRX1SM
	9.0 - 16.0	9.0	24.0	24.0	32.3	26.5	CRX1M
M25	9.0 - 16.0	9.0	30.0	24.0	32.3	33.0	CRX2SM
	12.0 - 20.0	9.0	30.0	30.0	35.6	33.0	CRX2M
M32	12.0 - 20.0	9.0	36.0	30.0	35.6	39.8	CRX3SM
	16.0 - 26.0	9.0	36.0	36.0	38.6	39.8	CRX3M
M40	16.0 - 26.0	9.0	46.0	36.0	38.6	51.0	CRX4SM
	20.0 - 33.0	9.0	46.0	46.0	44.5	51.0	CRX4M
M50	20.0 - 33.0	9.0	55.0	46.0	44.5	61.0	CRX5SM
	29.0 - 41.0	9.0	55.0	55.0	49.3	61.0	CRX5M
M63	29.0 - 41.0	9.0	67.0	55.0	49.3	73.0	CRX6SM
	36.0 - 52.0	9.0	67.0	65.0	55.5	73.0	CRX6M
M75	36.0 - 52.0	9.0	80.0	65.0	55.5	89.0	CRX7SM
	50.0 - 65.0	9.0	80.0	80.0	59.5	89.0	CRX7M
M80	50.0 - 65.0	9.0	95.0	80.0	59.5	105.0	CRX80SM
	61.0 - 78.0	9.0	105.0	95.0	67.0	118.0	CRX80M
M90	50.0 - 65.0	9.0	105.0	80.0	59.5	118.0	CRX8SM
	61.0 - 78.0	9.0	105.0	95.0	67.0	118.0	CRX8M
M100	61.0 - 78.0	9.0	120.0	95.0	67.0	134.0	CRX9SM
	75.0 - 89.0	9.0	120.0	106.0	60.0	134.0	CRX9M
M110	75.0 - 89.0	9.0	120.0	106.0	60.0	134.0	CRX10SM
	88.0 - 104.0	9.0	120.0	115.0	75.0	134.0	CRX10M
M115	75.0 - 89.0	9.0	120.0	106.0	60.0	134.0	CRX11SM
	88.0 - 104.0	9.0	120.0	115.0	75.0	134.0	CRX11M

CRUX

Cable Glands for Non-Armoured Cables

Technical Details			
Material	Body, Cap	Brass, Brass Nickel Plated, Stainless Steel	
	Inner Parts	Brass, Brass Nickel Plated, Stainless Steel	
	Seal	Halogen Free Silicone	
	O-ring	Halogen Free Silicone	
Ingress Protection Rating		IP 68 - 5 Bar, 30 min IP 66	
Operating Temperature		Seal Material Silicone -60°C to +130°C	
Equipment For		Gas & Dust potentially explosive atmospheres	
Suitable for use in		Group II Group III	Gas Group IIC Dust Group IIIC ZONE1/ZONE2 ZONE21/ZONE 22
Equipment Marking		Ex II 2GD Ex eb IIC Gb Ex tb IIIC Db	
Thread Type		• Metric (M) ISO Pitch 1.5 • NPT (N) ANSI ASME B1.20.1 • Other thread types also available upon request.	
Cable Type		Non-armoured & Braided when terminated inside enclosure	
Accessories		• Lock nuts • Deluge Seal • Gaskets (Washers) • Serrated Washers • Earth tags • Shroud	
Remarks		• Accessories must be ordered separately	
Approvals		Certificate Number	Standards
		CESI 21 ATEX 031X	EN 60079-0, -1, -7, -31
		IECEx CES 22.0009X	IEC 60079-0, -1, -7, -31
		2024312313000605	IEC 60079-0,-1,-7,-31
		TC RU C-TR.AA87.B.01120/23	ГОСТ 31610.0-2014 ГОСТ IEC 60079-1:2013 ГОСТ IEC 60079-31:2013
		DNV 23.0154 X	ABNT NBR IEC 60079-0:2013 ABNT NBRIEC 60079-1:2009 ABNT NBR IEC 60079-7:2008 ABNT NBR IEC 60079-31:2011
		TAE00003WU	IEC 60079-0,-1,-7,-31
-For details of approvals, see our website. * The standard marking consists ATEX & IECEx only. Marking acc. to other standards on request.			

Crux



Order Coding									
Part Number	Material	Seal	-	Gasket (Washer)	Serrated Washer	Lock Nut	Shroud	Earth Tag	Deluge Seal
Mandatory	Mandatory	Mandatory	-	Option	Option	Option	Option	Option	Option
See table	B Brass BN Brass nickel plated X Stainless steel 316L	S Silicone	-	WS Silicone	WSR Serrated washer	L Lock nut	S Shroud	E Earth tag	D Deluge Seal
Example CRX1SM	BN	S	-	WS	WSR	L	S	E	D

Hazardous Applications

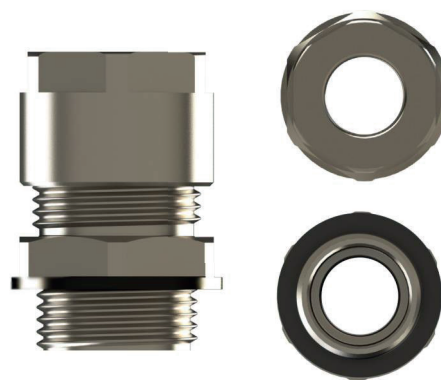
EX - e CRUX

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CRUX

Cable Glands for Non-Armoured Cables



Hazardous Applications

Thread Type NPT acc. to ANSI ASME B1.20.1							
Outer Thread Size	Clamping Range	Outer Thread Length	Spanner Width		Max Height	Outer Ø	Part Number
	Ø min-max mm	TL mm	SW Body mm	SW Cap mm	H mm.	D mm	
1/4"	3.0 - 8.0	16.0	16.0	16.0	29.3	18.0	CRX0SN
3/8"	3.0 - 8.0	16.0	20.0	16.0	28.2	22.0	CRX01SN
	5.5 - 12.0	16.0	20.0	22.0	28.2	22.0	CRX01N
1/2"	3.0 - 8.0	21.0	24.0	16.0	28.2	26.5	CRX1XSN
	5.5 - 12.0	21.0	24.0	22.0	29.2	26.5	CRX1SN
	9.0 - 16.0	21.0	24.0	24.0	32.3	26.5	CRX1N
3/4"	9.0 - 16.0	21.0	30.0	24.0	32.3	33.0	CRX2SN
	12.0 - 20.0	21.0	30.0	30.0	35.6	33.0	CRX2N
1"	12.0 - 20.0	26.0	36.0	30.0	35.6	39.8	CRX3SN
	16.0 - 26.0	26.0	36.0	36.0	38.6	39.8	CRX3N
1 1/4"	16.0 - 26.0	28.0	46.0	36.0	38.6	51.0	CRX4SN
	20.0 - 33.0	28.0	46.0	46.0	44.5	51.0	CRX4N
1 1/2"	20.0 - 33.0	28.0	55.0	46.0	44.5	61.0	CRX5SN
	29.0 - 41.0	28.0	55.0	55.0	49.3	61.0	CRX5N
2"	29.0 - 41.0	28.0	67.0	55.0	49.3	73.0	CRX6SN
	36.0 - 52.0	28.0	67.0	65.0	55.5	73.0	CRX6N
2 1/2"	36.0 - 52.0	41.0	80.0	65.0	55.5	89.0	CRX7SN
	50.0 - 65.0	41.0	80.0	80.0	59.5	89.0	CRX7N
3"	50.0 - 65.0	43.0	105.0	80.0	59.5	118.0	CRX80SN
	61.0 - 78.0	43.0	105.0	95.0	67.0	118.0	CRX80N
3 1/2"	61.0 - 78.0	43.0	120.0	95.0	67.0	134.0	CRX8SN
	75.0 - 89.0	43.0	120.0	106.0	60.0	134.0	CRX8N
4"	75.0 - 89.0	44.0	120.0	106.0	60.0	134.0	CRX9SN
	88.0 - 104.0	44.0	120.0	115.0	75.0	134.0	CRX9N