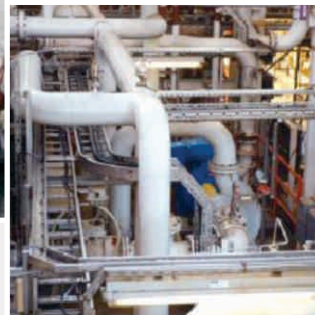
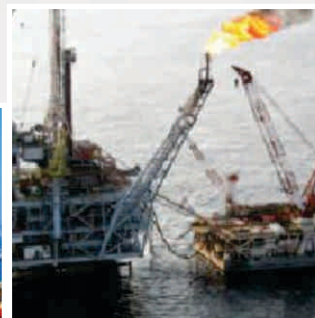
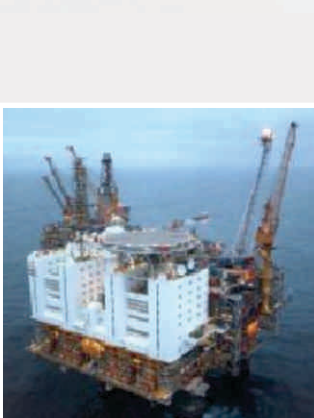




INDUSTRIAL CABLE GLANDS



Raychem RPG Pvt. Ltd. 

(A Tyco Electronics - RPG Enterprises JV)

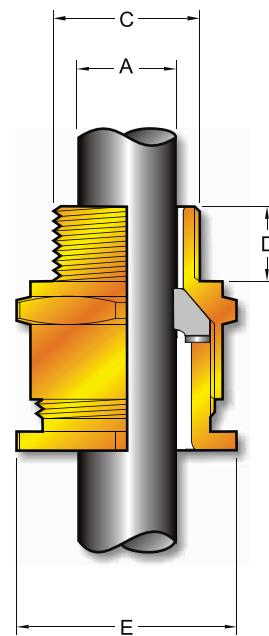


A1/A2 Industrial Cable Gland

R-LOCA1/A2 type brass indoor and outdoor cable gland for use with all types of unarmoured cables, providing mechanical seal on the cable outer sheath.



Technical Data	
Type	A1/A2
Design Specification	BS 6121 : Part I : 1989, EN 50262:1999
Ingress Protection	IP 66
Gland Material	Brass
Finish	Plain Brass or Nickel Plated
Seal Material	Thermoplastic Elastomer
Cable Type	Unarmoured
Sealing Technique	Displacement Type
Sealing Area	Cable Outer Sheath



Cable Gland Selection Table

Cable Gland Size	Entry Thread 'C'	Minimum Thread Length 'D'	Cable Bedding Diameter 'A'		Across Corners 'E'	Ordering Reference (Brass Metric)
			Min	Max	Max	
16	M20	10.0	3.1	8.7	26.6	RRPL-AA16
20S	M20	10.0	6.1	11.7	26.6	RRPL-AA20S
20	M20	10.0	6.5	14.0	30.0	RRPL-AA20
25	M25	10.0	11.1	20.0	39.9	RRPL-AA25
32	M32	10.0	17.0	26.3	45.5	RRPL-AA32
40	M40	15.0	23.5	32.2	55.4	RRPL-AA40
50S	M50	15.0	31.0	38.2	61.0	RRPL-AA50S
50	M50	15.0	35.6	44.1	66.5	RRPL-AA50
63S	M63	15.0	41.5	50.0	77.6	RRPL-AA63S
63	M63	15.0	47.2	56.0	83.2	RRPL-AA63
75S	M75	15.0	54.0	62.0	88.7	RRPL-AA75S
75	M75	15.0	61.1	68.0	94.2	RRPL-AA75
90	M90	15.0	66.6	79.4	120.7	RRPL-AA90

All dimensions in millimetres

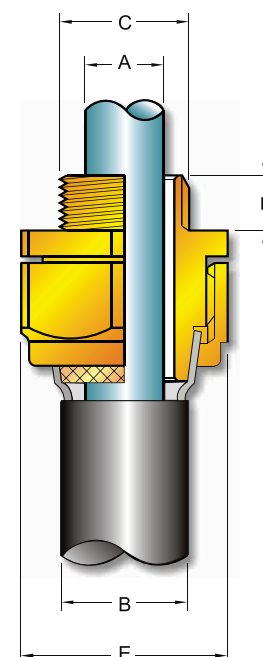
Note: *LSF Shrouds also available on request.

BW Industrial Cable Gland

R-LOC BW type brass indoor cable gland for use with all types of Single Wire Armour (SWA) cable providing mechanical cable retention and electrical continuity via armour wire termination. The R-LOC BW range of industrial cable glands is designed and tested to BS6121:2005



Technical Data	
Type	BW KNURLING TYPE
Design Specification	BS 6121 : Part I : 2005
Gland Material	Brass
Finish	Plain Brass or Nickel Plated
Cable Type	Steel Wire Armour
Armour Clamping	Two Part Armour Lock
Optional Accessories	Earth Tag, Locknut, Serrated Washer, Shroud
Gland Kits Available	Cable Gland Kit for use with all types of SWA cable, including 2 Brass Glands, 2 Steel Locknuts, 2 Brass Earth Tags and 2 PVC Shrouds for sizes up to and including 25mm. For sizes 32mm and above each kit includes 1 of each component.



Cable Gland Selection Table

Cable Gland Size	Entry Thread 'C'	Minimum Thread Length 'D'	Cable Bedding Diameter 'A'	Overall Cable Diameter 'B'	Armour Range		Across Corners 'E'	Ordering Reference (Brass Metric)
			Max	Max	Min	Max	Max	
20S	M20	10.0	11.7	16.1	0.9	1.25	24.0	RRPL-BW20S
20	M20	10.0	14.0	21.1	0.9	1.25	30.0	RRPL-BW20
25	M25	10.0	20.0	27.4	1.3	1.60	36.0	RRPL-BW25
32	M32	10.0	26.3	34.4	1.6	2.00	44.5	RRPL-BW32
40	M40	10.0	32.2	42.4	1.6	2.00	56.3	RRPL-BW40
50S	M50	15.0	38.2	50.1	2.0	2.50	63.4	RRPL-BW50S
50	M50	15.0	44.1	55.7	2.0	2.50	72.1	RRPL-BW50
63S	M63	15.0	50.0	62.4	2.5	2.50	83.0	RRPL-BW63S
63	M63	15.0	56.0	68.2	2.5	2.50	88.7	RRPL-BW63
75S	M75	15.0	62.0	76.8	2.5	2.50	99.8	RRPL-BW75S
75	M75	15.0	75.0	82.9	2.5	3.15	105.3	RRPL-BW75

All dimensions in millimetres

Note: *LSF Shrouds also available on request.

BWL Heavy Duty Industrial Cable Gland

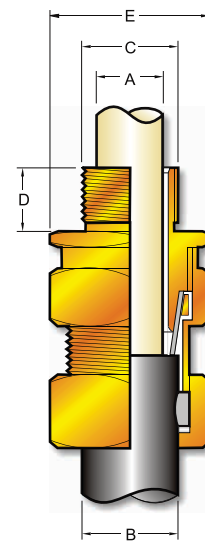
The heavy duty BWL design offers the benefit of a longer body to protect the armour wires from impact.

CW Industrial Cable Gland

R-LOC CW type brass indoor and outdoor cable gland for use with all types of Single Wire Armour (SWA) cable, providing seal on the cable outer sheath. The cable gland also provides mechanical cable retention and electrical continuity via armour wire termination. A detachable armour cone and clamping ring arrangement allows the cable to be easily disconnected from the equipment, for maintenance and change out etc.



Technical Data	
Type	CW
Design Specification	BS 6121 : Part I : 1989, EN 50262:1999
Ingress Protection	IP 66
Gland Material	Brass
Finish	Plain Brass or Nickel Plated
Seal Material	Thermoplastic Elastomer
Cable Type	Steel Wire Armour
Armour Clamping	Three Part (With Lock Nut)
Sealing Technique	Compression Type
Sealing Area	Cable Outer Sheath



Cable Gland Selection Table

Cable Gland Size	Entry Thread 'C'	Minimum Thread Length 'D'	Cable Bedding Diameter 'A'	Overall Cable Diameter 'B'	Armour Range		Across Corners 'E'	Ordering Reference (Brass Metric)
			Max	Max	Min	Max	Max	
16	M20	10.0	8.7	11.5	0.90	1.00	26.6	RRPL-CW16
20S	M20	10.0	11.7	15.9	0.90	1.25	26.6	RRPL-CW20S
20	M20	10.0	14.0	20.9	0.90	1.25	33.3	RRPL-CW20
25S	M25	10.0	19.9	22	1.25	1.60	40.0	RRPL-CW25S
25	M26	10.0	20.0	26.2	1.25	1.60	40.0	RRPL-CW25S
32	M32	10.0	26.3	33.9	1.60	2.00	51.0	RRPL-CW32
40	M40	10.0	32.2	40.4	1.60	2.00	61.0	RRPL-CW40
50S	M50	15.0	38.2	46.7	2.00	2.50	66.5	RRPL-CW50S
50	M50	15.0	44.1	53.1	2.00	2.50	78.6	RRPL-CW50
63S	M63	15.0	50.0	59.4	2.50	2.50	83.2	RRPL-CW63S
63	M63	15.0	56.0	65.9	2.50	2.50	89.0	RRPL-CW63
75S	M75	15.0	62.0	72.1	2.50	2.50	101.6	RRPL-CW75S
75	M75	15.0	68.0	78.5	2.50	3.15	111.1	RRPL-CW75
90	M90	15.0	90.0	90.4	3.15	3.15	128.6	RRPL-CW90

All dimensions in millimetres

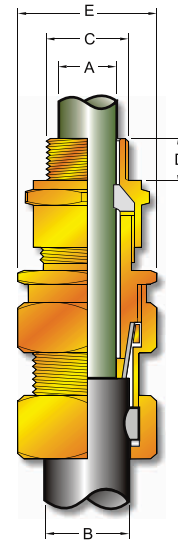
Note: *LSF Shrouds also available on request.

E1W/F Industrial Cable Gland

R-LOC E1W type brass indoor and outdoor cable gland for use with Single Wire Armour (SWA) cable providing seal on the cable inner sheath and the cable outer sheath. The cable gland provides mechanical cable retention and electrical continuity via armour wire termination. A detachable armour cone and clamping ring arrangement allows the cable to be easily disconnected from the equipment, for maintenance and change out etc. Used popularly in most climatic conditions weatherproof and waterproof.



Technical Data	
Type	E1W
Design Specification	BS 6121 : Part I : 1989, EN 50262:1999
Ingress Protection	IP 66
Gland Material	Brass
Finish	Plain Brass or Nickel Plated
Seal Material	Thermoplastic Elastomer
Cable Type	Steel Wire Armour
Armour Clamping	Three Part Armour Lock
Sealing Technique	Compression & Displacement Type
Sealing Area	Cable Inner bedding & Outer Sheath



Cable Gland Selection Table

Cable Gland Size	Entry Thread 'C'	Minimum Thread Length 'D'	Cable Bedding Diameter 'A'		Overall Cable Diameter 'B'		Armour Range		Across Corners 'E'	Ordering Reference (Brass Metric)
			Min	Max	Min	Max	Min	Max	Max	
16	M20	10.0	3.1	8.7	6.1	11.5	0.90	1.00	26.6	RRPL-E1W16
20S	M20	10.0	6.1	11.7	9.5	15.9	0.90	1.25	26.6	RRPL-E1W20S
20	M20	10.0	6.5	14.0	12.5	20.9	0.90	1.25	33.3	RRPL-E1W20
25S	M25	10.0	11.1	20.0	14	22	1.25	1.60	40.0	RRPL-E1W25S
25	M26	10.0	11.1	20.0	18.2	26.2	1.25	1.60	40.0	RRPL-E1W25S
32	M32	10.0	17.0	26.3	23.7	33.9	1.60	2.00	51.0	RRPL-E1W32
40	M40	10.0	22.0	32.2	27.9	40.4	1.60	2.00	61.0	RRPL-E1W40
50S	M50	15.0	29.5	38.2	35.2	46.7	2.00	2.50	66.5	RRPL-E1W50S
50	M50	15.0	35.6	44.1	40.4	53.1	2.00	2.50	78.6	RRPL-E1W50
63S	M63	15.0	40.1	50.0	45.6	59.4	2.00	2.50	83.2	RRPL-E1W63S
63	M63	15.0	47.2	56.0	54.6	65.9	2.00	2.50	89.0	RRPL-E1W63
75S	M75	15.0	52.8	62.0	59	72.1	2.00	2.50	101.6	RRPL-E1W75S
75	M75	15.0	59.1	68.0	66.7	78.5	2.00	2.50	111.1	RRPL-E1W75
90	M90	15.0	66.6	79.4	76.2	90.4	3.15	3.15	128.6	RRPL-E1W90
All dimensions in millimetres										

Note: *LSF Shrouds also available on request.

Ingress Protection

It is essential when selecting cable glands and/or accessories to ensure that the products will maintain the IP rating of the equipment and the integrity of the installation.

IP codes are based on the IEC Standard 529, degree of protection provided by enclosures.

In most cases R-LOC cable glands will maintain Ingress Protection of the equipment into which they are installed to:

IP 66	# Dust tight. No ingress of dust possible.
	# Protected against heavy seas or powerful jets of water. Prevents ingress sufficient to cause harm.
IP 67	# Dust tight. No ingress of dust possible.
	# Protected against harmful ingress of water when immersed between a depth of 150mm to 1m
IP 68	# Dust tight. No ingress of dust possible.
	# Protected against submersion. Suitable for continuous immersion in water at stated depth
	# (Unless specified to the contrary, depth stated for R-LOC Cable glands = 25 m)

The minimum requirements for Hazardous Location product is:

IP 54	# Dust protected. Prevents ingress of dust sufficient to cause harm.
	# Protected from splashing water from any direction.

As a general guide to selecting method that is most likely to maintain the required IP rating for different entry types.

We Recommend:

Clearance Hole - Integral 'O' ring seal or nylon IP washer

Parallel Threaded Entries - Integral 'O' ring seal, IP washer or non-hardening thread sealant

Taper Threaded Entries - Non-hardening thread sealant

Brass Gland - Selection Chart

600 / 1000v stranded copper conductors xlpe/swa/pvc cable and PVC sheathed overall. Cable to **BS 5467 : 1989**

Cable Size Conductor		Numbers of Cores												
Nom. Area (mm ²)	Neutral	1	2	3	3 1/2	4	5	7	10	12	19	27	37	48
1.5	-	-	20S	20S	-	20S	20S	20S	20	25	25	32	32	32
2.5	-	-	20S	20S	-	20S	20S	20	25	25	32	32	40	40
46	-	-	20S	20S	-	20	20	25	25	25	32	40	40	50S
10	-	-	20	20	-	20	-	-	-	-	-	-	-	-
16	-	-	20	25	-	25	-	-	-	-	-	-	-	-
25	16	-	25	25	32	25	-	-	-	-	-	-	-	-
35	16	-	25	32	32	32	-	-	-	-	-	-	-	-
50	25	25	32	32	32	32	-	-	-	-	-	-	-	-
70	35	25	25	32	40	32	-	-	-	-	-	-	-	-
95	50	25	32	32	50S	40	-	-	-	-	-	-	-	-
120	70	32	32	40	50	50S	-	-	-	-	-	-	-	-
150	70	32	40	40	50	50	-	-	-	-	-	-	-	-
185	95	32	40	50S	63S	50	-	-	-	-	-	-	-	-
240	120	40	50S	50	63	63S	-	-	-	-	-	-	-	-
300	150	40	50	63S	75S	63	-	-	-	-	-	-	-	-
300	185	40	63S	63	75S	75S	-	-	-	-	-	-	-	-
400	185	50S	63S	63	75	75	-	-	-	-	-	-	-	-
500	-	50	63S	75S	-	75	-	-	-	-	-	-	-	-
630	-	50	-	-	-	-	-	-	-	-	-	-	-	-
800	-	63S	-	-	-	-	-	-	-	-	-	-	-	-
1000	-	63	-	-	-	-	-	-	-	-	-	-	-	-

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