

A Preview of Our Products

Radiform has developed and designed a complete range of general purposes cable glands for Industrial, commercial and marine applications. The glands are manufactured in compliance with BS6121 PT1: 1989 and meets or surpass the performance requirements of BS EN 50262:1998 + A1: 2001+ A2: 2004. The sealing capabilities of the glands are designed to conform to the various IP ratings: such as IP55 for BWR, IP66 for CWR glands, etc. We are able to design glands to suit any special or no-standard cables.

Radiform metal cable glands are manufactured from high-grade brass, aluminum and stainless steel. Glands are available in their natural color without any surface coating as standard items. Special surface coatings are available in nickel, tin and cadmium for specific requirements. We have also developed polyamide cable glands suitable for applications with plastic enclosures and junction boxes.

Product Range:

RADI-A2 single compression cable glands are specially designed for all types of non-armor cables, requiring IP66 water seal rating. The gland provides excellent mechanical cable retention and environmental sealing with an IP66 seal on the outer jacket of the cable making it suitable for both indoor and outdoor applications. Type-tested to BS EN 50262:1998+A1:2001+A2: 2004. Marine application approved product by ABS.



RADI-RXT industrial cable gland provides the same functional properties as the RADI-A2 cable gland except it is specially designed to be used with braided armored cables. Clamping the wire braid onto the gland provides excellent electrical continuity. The gland provides good mechanical cable retention with an IP66 environmental sealing. Type-tested to BS EN 50262:1998+A1:2001+A2: 2004. Marine application approved product by ABS.



RADI-BWR is a three-part gland developed for securing single wire armored (SWA) cables in indoor and dry environment. The positive armor locking increases the mechanical strength and effective earth continuity. The gland has an IP54 environmental seal rating. Type-tested to BS EN 50262:1998+A1:2001+A2: 2004. Marine application approved product by ABS.



RADI-CWR/(CW) single compression industrial glands provide an IP66 rating environmental sealing on the outer jacket of a single wire armored (SWA) cable, making it suitable for applications in out-door and/or out-door wet environment. This weatherproof gland offers positive armor locking, effective earth continuity and tight liquid and/or moisture sealing. Type-tested to BS EN 50262:1998+A1:2001+A2: 2004. Marine application approved product by ABS.



RADI-E1W/E1WF double compression industrial glands are excellent weatherproof glands designed to-be-used in highly robust environment. These glands offer an IP66 rating seal for both inner and outer jackets of the cable. They also provide excellent armor locking and effective earth continuity. **RADI E1WF** glands are flameproof glands designed for used in flammable environment. Type-tested to BS EN 50262:1998+A1:2001+A2: 2004. Marine application approved product by ABS.



RADI-PBPG single compression cable glands are manufactured from high quality yellow brass with nickel plating. The onion-ring seal are made of either neo-print or nitrate rubber providing an IP54 rating seal on the outer cable jacket. This gland is suitable for use with all types of non-armored cables in dry indoor environment.



RADI-DNG single compression cable glands are designed for use with unarmored, elastomeric and plastic cables, specifically designed for use in highly corrosive and wet locations. Seal rating on cable outer sheath/jacket achieves IP68 environmental seal rating. Glands come with PG and/or metric entry threads



RADI-JSMG single compression cable glands for indoor and outdoor use with all types of un-armored cables, providing an environmental seal for the cable outer sheath with IP55 seal rating. The thick nickel-plating on the surface of the glands provided excellent protection from environmental corrosion and seawater abuse.



RADI-PGN/PGM single compression polyamide cable glands for indoor and outdoor applications with IP68 environmental seal rating on the cable outer sheath. The glands are designed with an anti-vibration locking system. Glands come with PG and/or metric entry threads.







Cable Glands Selection Guide:

1. Specify the type and size of the cable to be used
2. The condition and environment of the application (Indoor/outdoor, wet/dry, Hazardous/non hazardous area, level of corrosiveness, etc.)
3. Check the gland's entry thread in the equipment. (If the thread has not been tapped then lock nut is to be used to secure the gland)
4. Check the cable type and cable size (Overall external diameter and internal diameter of the cable, the size and type of armor or braiding.
5. Check the entry seal requirements and ingress protection rating for cable entry
6. Check the accessories required for the installation. (PVC/flame-retarded shrouds or heat shrink sealing sleeves, earth tags locknuts, etc.)

Glands Selection Reference Table For SWA Armored Cables

Glands Selection Reference Table for PVC / XLPE / SWA Cables as Per BS 5467

Conductor Size (mm-SQ)	No. of Cores	Approx. Overall Dia. (mm)				
			BWR	CWR	E1WR	E1FW
1.5	2	12.3	20/16	20/16	20/16	20/16
	3	12.8	20/16	20/16	20/16	20/16
	4	14.0	20S	20S	20S	20S
	5	14.2	20S	20S	20S	20S
	6	15.2	20S	20S	20S	20S
	7	15.6	20S	20S	20S	20S
	2.5	2	13.6	20S	20S	20S
3		13.6	20S	20S	20S	20S
4		14.7	20S	20S	20S	20S
5		16.3	20L	20L	20L	20L
6		17.1	20L	20L	20L	20L
7		17.6	20L	20L	20L	20L
4		2	14.7	20L	20S	20S
	3	15.3	20L	20S	20S	20S
	4	16.4	20L	20L	20L	20L
6	2	15.9	20L	20S	20S	20S
	3	16.6	20L	20L	20L	20L
	4	18.7	20L	20L	20L	20L
10	2	18.0	20L	20L	20L	20L
	3	18.9	20L	20L	20L	20L
	4	20.3	25S	20L	20L	20L
16	2	20.0	25S	25S	20L	20L
	3	21.2	25S	25S	25S	25S
	4	22.9	25S	25S	25S	25S
25	2	24.1	25L	25L	25L	25L
	3	26.7	25L	25L	25L	25L
	4	28.9	32L	32L	32L	32L
35	2	27.9	32L	32L	32L	32L
	3	29.9	32L	32L	32L	32L
	4	32.1	32L	32L	32L	32L
50	2	25.8	25L	25L	25L	25L
	3	28.5	32L	32L	32L	32L
	4	32.0	32L	32L	32L	32L
70	2	29.0	32L	32L	32L	32L
	3	32.3	40S	40S	40S	40S
	4	37.7	40L	40L	40S	40S
95	2	33.1	40S	40S	40S	40S
	3	37.0	40L	40L	40L	40L
	4	41.7	50S	50S	50S	50S
120	2	36.1	40L	40L	40L	40L
	3	40.4	50S	50S	50S	50S
	4	47.1	50L	50L	50L	50L
150	2	39.3	50S	50S	50S	50S
	3	45.5	50S	50S	50S	50S
	4	51.4	50L	50L	50L	50L
185	2	44.7	50S	50S	50S	50S
	3	49.8	50L	50L	50L	50L
	4	56.6	63S	63S	63S	63S
240	2	49.0	50L	50L	50L	50L
	3	55.1	63S	63S	63S	63S
	4	63.0	63L	63L	63L	63L
300	2	53.5	63S	63S	63S	63S
	3	60.2	63L	63L	63L	63L
	4	68.8	75S	75S	75S	75S
400	2	59.0	63S	63L	63L	63L
	3	66.6	75S	75S	75S	75S
	4	78.0	75L	90S	90S	90S

Note: As the Dimensions of the Cables may varies between manufacturers, we suggest to all users to check the dimensions prior application and/or purchase of the product