TECHNICAL DATA SHEET

ABB cable glands – RBCG series

Brass, rail specific EN45545



EN45545-2 Compliant cable gland for use in rail, rolling stock and infrastructure applications.

Certifications / Standards:

CE

Features & Benefits:

- EN 45545-2 Compliant HL3 for category R22 and R23 usage
- Robust metallic construction
- Large capacity sealing range

Applications:

- General purpose rolling stock and infrastructure applications
- R22 interior locations for small components
- R23 exterior locations for small components
- Suitable for cable types:
  - Non-armoured
  - Portable
  - Tray

Material:

- All materials EN 45545-2 compliant to HL3 for category R22 and R23 use
- Nickel plated brass body and cap
- Low smoke zero halogen nylon cage
- Low smoke zero halogen EPDM seals

Environmental ratings:

Working Temperature:

- Normal use: -40 to +100°C (-40 to +212°F)
- Short term: -40 to +120°C (-40 to +248°F)

Ingress protection:

To ensure ingress protection, use suitable gasket and lock nut when required.

- IP66
- IP68 (5 bar 30 mins)
- IP69

Fire

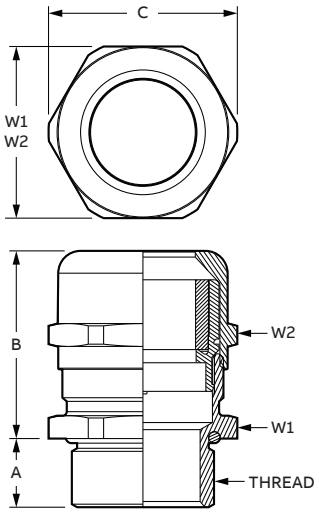
- EN 45545-2 HL3

Chemical resistance guide:

- See publication TDS000081

Conforms to:

- EN 45545-2, HL3 (R22 and R23)
- EN 62444
- RoHS (Restriction of Hazardous Substances Directive) 2011/65/EU Incorporating 2015/863 amendment to Annex II
- WEEE (Waste Electrical & Electronic Equipment Directive) 2002/96/EC
- LVD (Low Voltage Directive) 2014/35/EU



Product selection

Part no:	Thread (metric)	Cable range		Nominal dimensions				
		Min	Max	A	B	C	W1	W2
RBCG-M122	M12x1.5	**3.0**	**6.5**	**12.0**	**22.0**	**15.5**	**14.0**	**14.0**
		(0.118)	(0.256)	(0.472)	(0.866)	(0.61)	(0.551)	(0.551)
RBCG-M122-S	M12x1.5	**3.0**	**6.5**	**6.0**	**22.0**	**15.5**	**14.0**	**14.0**
		(0.118)	(0.256)	(0.236)	(0.866)	(0.61)	(0.551)	(0.551)
RBCG-M163	M16x1.5	**4.0**	**8.0**	**12.0**	**23.0**	**20.0**	**18.0**	**17.0**
		(0.157)	(0.315)	(0.472)	(0.906)	(0.787)	(0.709)	(0.669)
RBCG-M163-S	M16x1.5	**4.0**	**8.0**	**7.0**	**23.0**	**20.0**	**18.0**	**17.0**
		(0.157)	(0.315)	(0.276)	(0.906)	(0.787)	(0.709)	(0.669)
RBCG-M164	M16x1.5	**5.0**	**10.0**	**12.0**	**28.5**	**22.0**	**20.0**	**20.0**
		(0.197)	(0.394)	(0.472)	(1.122)	(0.866)	(0.787)	(0.787)
RBCG-M164-S	M16x1.5	**5.0**	**10.0**	**7.0**	**28.5**	**22.0**	**20.0**	**20.0**
		(0.197)	(0.394)	(0.276)	(1.122)	(0.866)	(0.787)	(0.787)
RBCG-M202	M20x1.5	**6.0**	**12.0**	**12.0**	**26.0**	**24.5**	**22.0**	**22.0**
		(0.236)	(0.472)	(0.472)	(1.024)	(0.965)	(0.866)	(0.866)
RBCG-M202-S	M20x1.5	**6.0**	**12.0**	**8.0**	**26.0**	**24.5**	**22.0**	**22.0**
		(0.236)	(0.472)	(0.315)	(1.024)	(0.965)	(0.866)	(0.866)
RBCG-M204	M20x1.5	**10.0**	**14.0**	**12.0**	**28.0**	**26.8**	**24.0**	**24.0**
		(0.394)	(0.551)	(0.472)	(1.102)	(1.055)	(0.945)	(0.945)
RBCG-M204-S	M20x1.5	**10.0**	**14.0**	**8.0**	**28.0**	**26.8**	**24.0**	**24.0**
		(0.394)	(0.551)	(0.315)	(1.102)	(1.055)	(0.945)	(0.945)
RBCG-M254	M25x1.5	**13.0**	**18.0**	**12.0**	**33.0**	**33.0**	**30.0**	**30.0**
		(0.512)	(0.709)	(0.472)	(1.299)	(1.299)	(1.181)	(1.181)
RBCG-M254-S	M25x1.5	**13.0**	**18.0**	**8.0**	**33.0**	**33.0**	**30.0**	**30.0**
		(0.512)	(0.709)	(0.315)	(1.299)	(1.299)	(1.181)	(1.181)
RBCG-M325	M32x1.5	**18.0**	**25.0**	**15.0**	**44.0**	**44.5**	**40.0**	**40.0**
		(0.709)	(0.984)	(0.591)	(1.732)	(1.752)	(1.575)	(1.575)
RBCG-M325-S	M32x1.5	**18.0**	**25.0**	**9.0**	**44.0**	**44.5**	**40.0**	**40.0**
		(0.709)	(0.984)	(0.354)	(1.732)	(1.752)	(1.575)	(1.575)
RBCG-M405	M40x1.5	**22.0**	**32.0**	**15.0**	**52.5**	**55.5**	**50.0**	**50.0**
		(0.866)	(1.26)	(0.591)	(2.067)	(2.185)	(1.969)	(1.969)
RBCG-M405-S	M40x1.5	**22.0**	**32.0**	**9.0**	**52.5**	**55.5**	**50.0**	**50.0**
		(0.866)	(1.26)	(0.354)	(2.067)	(2.185)	(1.969)	(1.969)

Bold numbers are metric, parenthesis numbers are inches.
Note: Product must be installed in accordance with applicable national and local electrical codes.

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