TECHNICAL DATA SHEET

ABB cable glands – FSCG series

NSF approved food and beverage cable glands



FSCG cable glands are for use in food and beverage applications to allow the safe termination of cables into equipment.

Certifications / Standards:

Features & Benefits:
- Smooth hygienic external casing
- One piece, fully enclosed
- Suitable for splash zones
- Corrosion resistant

Applications:
- Food and beverage applications, including;
  - Splash zone and wash down areas
  - Packaging and transfer areas
- Other hygienic applications, including;
  - Medical equipment - non contact
  - Pharmaceutical, packaging and processing
- Suitable for cable types:
  - Non-armoured
  - Portable
  - Tray

Material:
- Stainless Steel construction
- FDA Compliant EPDM Seals

Environmental ratings:

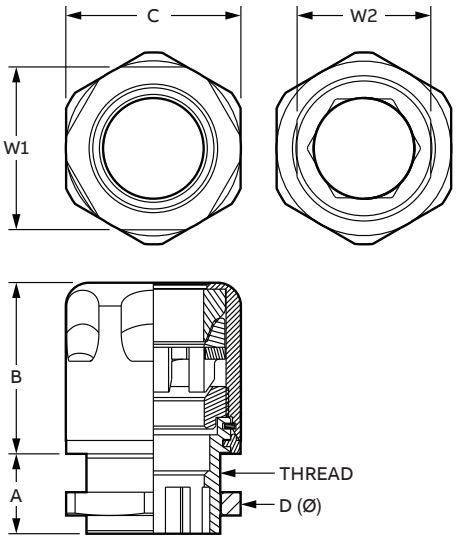
Working Temperature:
- Normal use: -20°C to +100°C (-4°F to 212°F)
- Short term: -40°C to +150°C (-40°F to 302°F)

Ingress protection:

To ensure ingress protection, use suitable gasket and lock nut when required.
- IP66
- IP68 (5 bar 30 mins)
- IP69 (Steam Cleaning)

Chemical resistance guide:
- See publication TDS000081

Conforms to:
- NSF - 169-2012
- UL514B / CSA C22.2 No 18.3 (see table for details)
- 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	D	W1	W2
FSCG-M121	M12x1.5	**3.0**	**6.5**	**6.0**	**21.3**	**15.6**	**16.5**	**14.0**	**10.0**
		(0.118)	(0.256)	(0.236)	(0.839)	(0.614)	(0.650)	(0.551)	(0.394)
FSCG-M161	M16x1.5	**5.0**	**10.0**	**7.0**	**23.1**	**20.2**	**21.0**	**18.0**	**14.0**
		(0.197)	(0.394)	(0.276)	(0.909)	(0.795)	(0.827)	(0.709)	(0.551)
FSCG-M201	M20x1.5	**6.0**	**12.0**	**10.0**	**26.7**	**24.1**	**26.4**	**22.0**	**18.0**
		(0.236)	(0.472)	(0.394)	(1.051)	(0.949)	(1.039)	(0.866)	(0.709)
FSCG-M251	M25x1.5	**12.0**	**17.0**	**14.0**	**29.1**	**30.1**	**33.0**	**28.0**	**23.0**
		(0.472)	(0.669)	(0.551)	(1.146)	(1.185)	(1.299)	(1.102)	(0.906)

Product selection

Part no:	Thread (NPT)	Cable range		Nominal dimensions					
		Min	Max	A	B	C	D	W1	W2
FSCG-0381	3/8"	**3.0**	**6.5**	**15.26**	**21.2**	**20.2**	**26.5**	**18.0**	**14.0**
		(0.118)	(0.256)	(0.601)	(0.835)	(0.795)	(1.043)	(0.709)	(0.551)
FSCG-0382	3/8"	**5.0**	**10.0**	**15.26**	**23.7**	**24.1**	**26.5**	**22.0**	**14.0**
		(0.197)	(0.394)	(0.601)	(0.933)	(0.949)	(1.043)	(0.866)	(0.551)
FSCG-0501	1/2"	**6.0**	**12.0**	**19.85**	**28.0**	**30.1**	**26.5**	**28.0**	**18.0**
		(0.236)	(0.472)	(0.781)	(1.102)	(1.185)	(1.043)	(1.102)	(0.709)
FSCG-0751	3/4"	**12.0**	**17.0**	**20.15**	**31.6**	**38.0**	**39.0**	**35.0**	**23.0**
		(0.472)	(0.669)	(0.793)	(1.244)	(1.496)	(1.535)	(1.378)	(0.906)

Bold numbers are metric, parenthesis numbers are inches.
No lock nut provided with the NPT products.
Note: Product must be installed in accordance with applicable national and local electrical codes.

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