
 TECHNICAL DATA SHEET

ABB cable glands – FSCG series

NSF approved food and beverage cable glands



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

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

Certifications / Standards:


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.

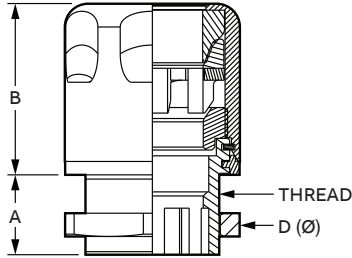
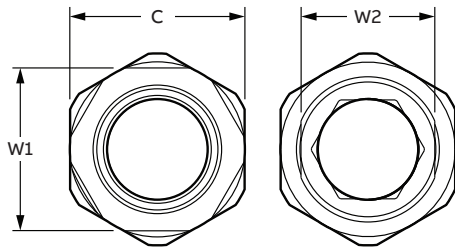
- IP66
- IP68 (5 bar 30 mins)
- IP69 (Steam Cleaning)

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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