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 TECHNICAL DATA SHEET

# ABB cable glands – NSG-90 series

## General purpose nylon cable glands



Ideal for installations such as robot manufacturers, packaging equipment, machine tool building and other industrial OEM and MRO applications.

**Certifications / Standards:**



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**Features & Benefits:**

- Large cable clamping range
- Liquid tight mechanical grip
- Full length bushing seal protects cable
- Corrosion resistant
- Elbow construction for compact installations

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**Applications:**

- General purpose
- Machine building
- Maintenance and repair
- Suitable for cable types:
  - Non-armoured
  - Portable

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**Material:**

- Halogen free Nylon construction
- Thermoplastic elastomer sealing ring
- Nylon retaining ring

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**Environmental ratings:**
**Working Temperature:**

- Normal use: -34 to +105C (-29 to +221F)

**Ingress protection:**

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

- Type 4x or 6 (With 5262 Series Sealing Rings)
- Wet and Dry Locations

**Fire**

- NFPA 70 (ANSI)

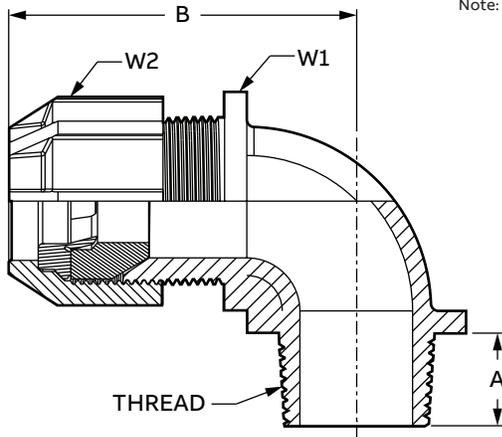
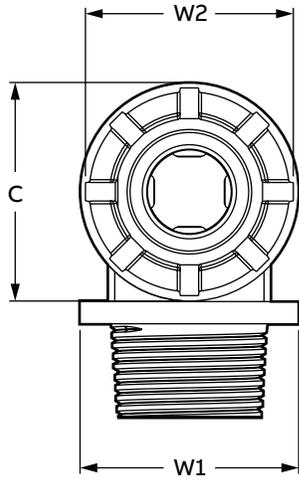
**Chemical resistance guide:**

- See publication TDS000081

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**Conforms to:**

- UL514B
- CSA C22.2-18.3
- ANSI C33.84
- NFPA 70 (ANSI)
- CG293 (US Coastguard)
- RoHS (Restriction of Hazardous Substances Directive) 2011/65/EU Incorporating 2015/863 amendment to Annex II



Product selection								
Part no:	Thread (NPT)	Cable range			Nominal dimensions			
		Min	Max	A	B	C	W1	W2
4960NM	1/2	<b>3.18</b>	<b>9.53</b>	<b>15.49</b>	<b>55.37</b>	<b>30.71</b>	<b>27.18</b>	<b>29.31</b>
		(0.125)	(0.375)	(0.610)	(2.180)	(1.209)	(1.070)	(1.154)
4961NM	1/2	<b>7.87</b>	<b>14.22</b>	<b>15.49</b>	<b>55.37</b>	<b>30.71</b>	<b>27.18</b>	<b>29.31</b>
		(0.310)	(0.560)	(0.610)	(2.180)	(1.209)	(1.070)	(1.154)
4970NM	3/4	<b>3.18</b>	<b>9.53</b>	<b>15.88</b>	<b>58.75</b>	<b>35.61</b>	<b>33.07</b>	<b>34.24</b>
		(0.125)	(0.375)	(0.625)	(2.313)	(1.402)	(1.302)	(1.348)
4971NM	3/4	<b>7.87</b>	<b>14.22</b>	<b>15.88</b>	<b>58.75</b>	<b>35.61</b>	<b>33.07</b>	<b>34.24</b>
		(0.310)	(0.560)	(0.625)	(2.313)	(1.402)	(1.302)	(1.348)
4972NM	3/4	<b>12.70</b>	<b>19.05</b>	<b>15.88</b>	<b>58.75</b>	<b>35.61</b>	<b>33.07</b>	<b>34.24</b>
		(0.500)	(0.750)	(0.625)	(2.313)	(1.402)	(1.302)	(1.348)

Fittings used in a trade size knockout requiring a Type 4X or 6 listing require a 5262 Series sealing ring. Dimensions for reference only. 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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