

**3 Type**  
**G** Connector coupling, straight  
**W** Connector coupling, 90° angled

**Metric table**

1 Connector coupling	2 Number of contacts (Poles)				4 l <sub>1</sub> Cable length in meters		d <sub>2</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>
	Type G		Type G Type W	-						
M 8 x 1	3	4	-	-	2	5	9.6 0.38	35 1.38	-	-
M 12 x 1	4	5	8	12	5	10	15 0.59	42 1.65	31.5 1.24	26.5 1.04

**Specification**

- Housing  
Plastic  
Thermoplastic polyurethane (TPU)
- Cable (outer sheath)  
Plastic  
Polyurethane (PUR)  
Black
- Temperature range:  
-40 °F to +194 °F (-40 °C to +90 °C)
- Insulating resistance:  
> 10<sup>8</sup> Ω
- Degree of pollution:  
3 / 2, according to EN 60664-1
- Protection class:  
IP67 according to EN 60529
- Connecting nut M8x1 / M12x1  
Brass, nickel plated
- **RoHS compliant**

**On request**

- Other cable lengths l<sub>1</sub>

**Information**

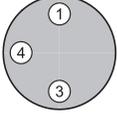
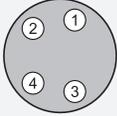
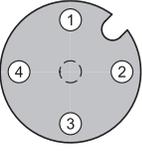
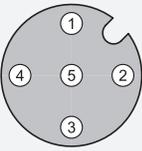
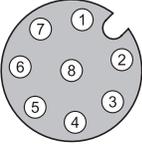
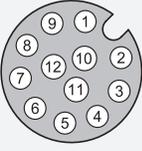
GN 330 cables with connector coupling are used to connect tubular handles and hinges with power switching function.

see also...

- Hinges with Integrated Safety Switch GN 139.1 → page 1424
- Hinges with Integrated Safety Switch GN 139.5 → page 1428
- Hinges with Integrated Safety Switch EN 239.6 → page 1430
- Hinges with Integrated Switch EN 239.4 → page 1434
- Tubular Handles GN 331 → page 166
- Tubular Handles GN 332 → page 170
- Cabinet "U" Handles GN 422 → page 124
- Bridge Handles EN 628.4 → page 132
- Sensors GN 893.1 (for Pneumatic Fastening Clamps) → starting from page 876
- Indexing Plungers GN 817.6 (Stainless Steel, with Sensor) → page 936
- Sensor GN 3380 (for Pneumatically Operated Clamps / Cylinders) → page 888

How to order	
1	Connector coupling
2	Number of contacts
3	Type
4	Cable length l <sub>1</sub>

**GN 330-M12x1-12-G-5**

Cable with connector coupling (bushing)	d <sub>1</sub> ≈ Outside diameter	Cross section	Operating voltage acc. to IEC 60664-1	Current load rating acc. to IEC 60512-3	Contact assignment
3-pole (3-wire) with M8x1	4	3 x 0.25 mm <sup>2</sup>	max. 60 V	4 A	 <ul style="list-style-type: none"> <li>1 - brown</li> <li>3 - blue</li> <li>4 - black</li> </ul>
4-pole (4-wire) with M8x1	4.3	4 x 0.25 mm <sup>2</sup>	max. 60 V	4 A	 <ul style="list-style-type: none"> <li>1 - brown</li> <li>2 - white</li> <li>3 - blue</li> <li>4 - black</li> </ul>
4-pole (4-wire) with M12x1	5	4 x 0.34 mm <sup>2</sup>	max. 250 V	4 A	 <ul style="list-style-type: none"> <li>1 - brown</li> <li>2 - white</li> <li>3 - blue</li> <li>4 - black</li> </ul>
5-pole (5-wire) with M12x1	5	5 x 0.34 mm <sup>2</sup>	max. 60 V	4 A	 <ul style="list-style-type: none"> <li>1 - brown</li> <li>2 - white</li> <li>3 - blue</li> <li>4 - black</li> <li>5 - gray</li> </ul>
8-pole (8-wire) with M12x1	6	8 x 0.25 mm <sup>2</sup>	max. 30 V	2 A	 <ul style="list-style-type: none"> <li>1 - white</li> <li>2 - brown</li> <li>3 - green</li> <li>4 - yellow</li> <li>5 - gray</li> <li>6 - pink</li> <li>7 - blue</li> <li>8 - red</li> </ul>
12-pole (12-wire) with M12x1	6	12 x 0.14 mm <sup>2</sup>	max. 30 V	1.5 A	 <ul style="list-style-type: none"> <li>1 - brown</li> <li>2 - blue</li> <li>3 - white</li> <li>4 - green</li> <li>5 - pink</li> <li>6 - yellow</li> <li>7 - black</li> <li>8 - gray</li> <li>9 - red</li> <li>10 - purple</li> <li>11 - gray / pink</li> <li>12 - red / blue</li> </ul>

**Other cable properties**

This adaptable cable, suitable for drag chains, features an outer sheath made of PUR and a core insulation made of Polypropylene. It is free of PVC, silicone and halogens. UL and CSA approvals are available.



The cable is also resistant to oil, chemicals, hydrolysis, microbes and welding sparks and flame retardant according to IEC 60332-2-2 which makes the cable the perfect choice in many applications.