
**3** Type

**G** Connector coupling straight

**W** Connector coupling 90° angled

**1**
**2**
**4**

Connector	Number of contacts (poles)				Length l in meter (cable length)	
	Type G	5	Type G Type W	Type G Type W	5	10
M 12 x 1	4	5	8	12	5	10

### Specification

- Handle (Housing)  
Plastic  
Polyurethan-Elastomer TPU
- Cable (Outer sheath)  
Polyurethan PUR  
black
- Temperature resistance: -40 °C ... +90 °C
- Insulating resistance: > 10<sup>9</sup> Ω
- Degree of pollution: 3 / 2  
according to EN 60664-1
- Protection class: IP67  
(in screwed condition)  
according to EN 60529
- Connecting nut M12x1  
Brass, nickel plated
- **RoHS compliant**

### On request

- other cable length l

### Information

Cables with connector coupling M12x1 GN 330 are used in conjunction with standard elements which have an electric switching function.

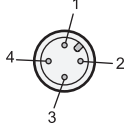
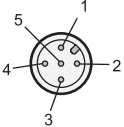
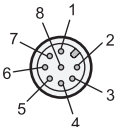
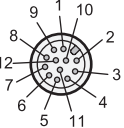
see also...

- *Tubular handles GN 331* → Page XYZ
- *Tubular handles GN 332* → → Page XYZ
- *Hinges with safety switch GN 139.1* → Page XYZ

### How to order

**GN330-M12x1-12-G-5**  
1 2 3 4

<b>1</b>	Connector
<b>2</b>	Number of contacts
<b>3</b>	Type
<b>4</b>	Cable length l

Cable with plug-in connector	d Outside diameter	Cross-section	Operating voltage acc. to IEC 60 664-1	Current load rating acc. to IEC 60512-3	Contact assignment
4-pole (4-wire)	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)	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 - grey</li> </ul>
8-pole (8-wire)	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 - grey</li> <li>6 - pink</li> <li>7 - blue</li> <li>8 - red</li> </ul>
12-pole (12-wire)	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 - grey</li> <li>9 - red</li> <li>10 - purple</li> <li>11 - grey / pink</li> <li>12 - red / blue</li> </ul>

### Other cable properties

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



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