

**M12 male 90° / M12 female 0° shielded Cube67**

802 PUR 0.5+0.25 shielded gn U 3.0

Cube67

Male 90° – female straight

M12 – M12, 6-pole

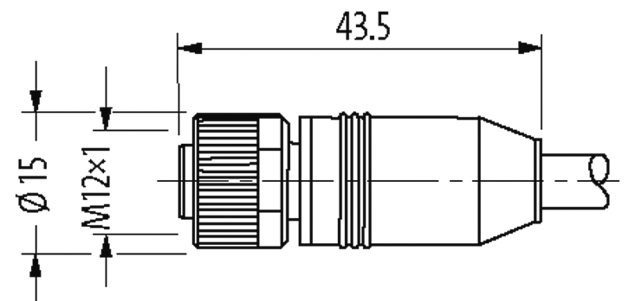
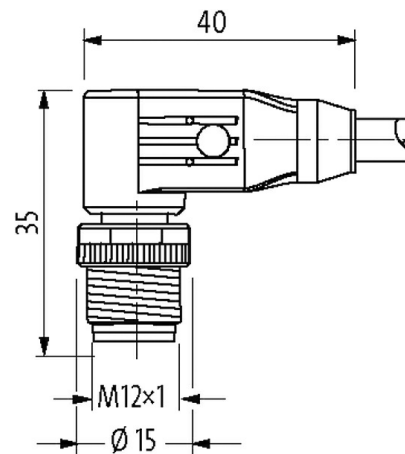
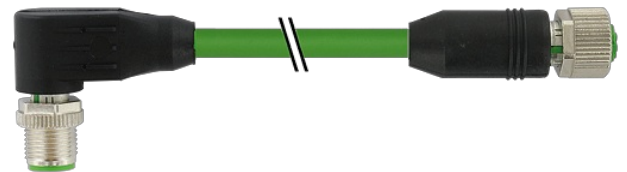
shielded

Hybrid cable

Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

[Link to Product](#)**Illustration**

Product may differ from Image

**Approvals**



## More Info

Cube67

## Form

Form 46071

## Cables

|                                 |                                                                                                          |
|---------------------------------|----------------------------------------------------------------------------------------------------------|
| No./diameter of wires           | 4× 0.5 + 2× 0.25 mm <sup>2</sup>                                                                         |
| Wire isolation                  | TPE (bl, wh, br, bk), (gr, pk)                                                                           |
| C-track properties              | 5 Mio.                                                                                                   |
| Jacket Color                    | green                                                                                                    |
| Material (jacket)               | PUR (UL/CSA)                                                                                             |
| Outer Ø                         | 7.9 mm ±5%                                                                                               |
| Bend radius (moving)            | 10× outer Ø                                                                                              |
| Temperature range (fixed)       | -50...+80 °C                                                                                             |
| Temperature range (mobile)      | -40...+80 °C                                                                                             |
| Cable identification            | 802                                                                                                      |
| Cable weight [g/m]              | 95,70                                                                                                    |
| Material (wire)                 | Cu wire, bare                                                                                            |
| Single wire Ø (core)            | 0.15 mm (0.5 mm <sup>2</sup> ); 0.1 mm (0.25 mm <sup>2</sup> )                                           |
| Construction (core)             | 28× 0.15 mm (0.5 mm <sup>2</sup> ); 32× 0.1 mm (0.25 mm <sup>2</sup> ); (multi-strand wire class 6)      |
| Diameter (core)                 | 4× 0.5 + 2× 0.25 mm <sup>2</sup>                                                                         |
| AWG                             | similar to AWG 20 (0.5 mm <sup>2</sup> ); similar to AWG 24 (0.25 mm <sup>2</sup> )                      |
| Material (wire isolation)       | TPE-E                                                                                                    |
| Shore hardness (wire isolation) | 55 ±5 D                                                                                                  |
| Wire-Ø incl. isolation          | 1.5 mm ±5% (0.5 mm <sup>2</sup> ); 1.4 mm ±5% (0.25 mm <sup>2</sup> )                                    |
| Color/numbering of wires        | (bl, wh, br, bk) + (gr, pk)                                                                              |
| Shield                          | yes                                                                                                      |
|                                 | min. 80%                                                                                                 |
| Material (jacket)               | PUR                                                                                                      |
| Material property (jacket)      | CFC-, halogen-, cadmium-, silicone-free, matt, low-adhesion, machine easy to process, abrasion-resistant |
| Shore hardness (jacket)         | 89 ±5 A                                                                                                  |
| Outer-Ø (jacket)                | 7.9 mm ±5%                                                                                               |
| Color (jacket)                  | green                                                                                                    |
| Nominal voltage                 | 300 V AC                                                                                                 |
| Test voltage                    | 1500 V (wire/wire); 1200 V (wire/shield)                                                                 |
| Temperature range (fixed)       | -50...+80 °C                                                                                             |
| Temperature range (mobile)      | -40...+80 °C                                                                                             |
| Bend radius (fixed)             | 5× outer Ø                                                                                               |
| Bend radius (moving)            | 10× outer Ø                                                                                              |
| No. of bending cycles (C-track) | max. 5 Mio. (25 °C)                                                                                      |
| Traversing distance (C-track)   | max. 10 m                                                                                                |
| Travel speed (C-track)          | max. 2 m/s                                                                                               |
| Torsion stress                  | ±180 °/m                                                                                                 |

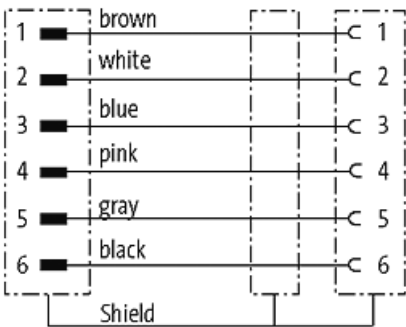
## Technical Data

|                               |                                                                  |
|-------------------------------|------------------------------------------------------------------|
| Operating voltage             | max. 30 V AC/DC                                                  |
| Rated surge voltage           | 0.8 kV                                                           |
| Operating current per contact | max. 4 A                                                         |
| Locking of ports              | Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing |
| Protection                    | IP65 and IP67 when plugged and screwed down (EN 60529)           |

Commercial data

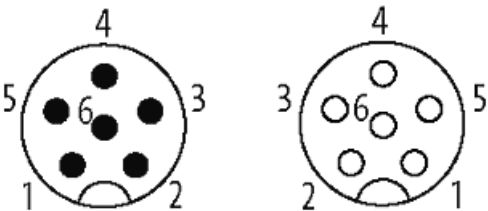
|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879779340 |
| eClass                | 27061801      |
| Packaging unit        | 1             |

Sketch



Male

Female



Product may differ from Image