

## IE-C6HD8UG0075A40XCS-E

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



### General ordering data

|            |   |
|------------|---|
| Version    | Dragline cable, M12 X-type IP 67 straight male, RJ45 IP 20, Cat.6 (ISO/IEC 11801), PUR, 7.5 m |
| Order No.  | <a href="#">2723030075</a>  |
| Type       | IE-C6HD8UG0075A40XCS-E  |
| GTIN (EAN) | 4050118785913   |
| Qty.       | 1 items   |

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## Technical data

### Approvals

ROHS Conform

### Dimensions and weights

|            |       |                 |               |
|------------|-------|-----------------|---------------|
| Length     | 7.5 m | Length (inches) | 295.2756 inch |
| Net weight | 500 g |                 |               |

### Temperatures

|                          |                |                       |                |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature      |                | Operating temperature | -40 °C...80 °C |
| Installation temperature | -30 °C...70 °C |                       |                |

### Environmental Product Compliance

|                        |                                      |
|------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant                            |
| REACH SVHC             | Lead 7439-92-1                       |
| SCIP                   | 67cf1078-beca-4687-860b-dc475a6ec24a |

### Cable structure

|                                       |  |                           |                                    |
|---------------------------------------|--|---------------------------|------------------------------------|
| Strands                               | 19   | Sheathing colour          | green (RAL 6018)                   |
| Cross-section                         | 4*2*AWG 26/19 -<br>4*2*0.128 mm <sup>2</sup>                     | Shielding                 | S/FTP                              |
| Number of wires                       | 8  | Insulation cross-section  | 0.98 mm                            |
| Insulation                            | PP   | Sheath diameter, max.     | 7.8 mm                             |
| Material sheath                       | PUR  | Copper diameter           | 0.55 µm                            |
| Wire pair shielding                   | Aluminium foil   | Arrangement of wire cores | Twisted pair                       |
| Complete shielding                    | Shielding braid made from<br>copper wiring                       | Wire material             | Stranded tin-plated copper<br>wire |
| Colour sequence or wires - wire pairs | white - blue, white -<br>orange, white - green,<br>white - brown |                           |                                    |

### Electrical properties of cable

|                                |                            |                         |                        |
|--------------------------------|----------------------------|-------------------------|------------------------|
| Transmission rate              | 10 Gbit/s                  | Category                | Cat.6 (ISO/IEC 11801)  |
| Loop resistance                | 280 Ω/km                   | Signal propagation time | 5.34 ns/m              |
| Test voltage: wire-wire-shield | 700 Vrms, 50 Hz, 1 min     | Transfer impedance      | max. 30 mΩ/m at 10 MHz |
| Characteristic impedance       | 100 ± 15 Ω at 1-100<br>MHz |                         |                        |

### Mechanical and material properties of cable

|                                 |  |                                |  |
|---------------------------------|--|--------------------------------|--|
| Resistance to oils              | in accordance with IEC<br>60811-2-1; acc. to CSA<br>22.2, 4 days/100°C | UV-resistant                   | Yes  |
| Pulling force                   | ≤ 100 N  | Halogen                        | halogen-free   |
| Min. bending radius, repetitive | 7.5 x cable diameter   | Min. bending radius, once only | 4 x cable diameter   |
| Abrasion resistance             | very good  | Resistance to spread of flame  | in accordance with IEC<br>60332-1-2, in accordance<br>with UL 1581 VW-1 and<br>CSA FT1 |

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**Technical data**

**Plug, left**

|           |   |
|-----------|---|
| Plug left | RJ45, IP20, male contact, straight, plug, Plastic, shielded |
|-----------|---|

**Plug, right**

|            |   |
|------------|---|
| Plug right | M12, X-coded, IP67, male contact, straight, plug, Plastic, shielded |
|------------|---|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | EC002599    | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 |             |             |

Drawings

Connection diagram

|      |   |               |   |     |
|------|---|---------------|---|-----|
| RJ45 | 1 | White, Orange | 1 | M12 |
|      | 2 | Orange        | 2 |     |
|      | 3 | White, Green  | 3 |     |
|      | 4 | Blue          | 8 |     |
|      | 5 | White, Blue   | 7 |     |
|      | 6 | Green         | 4 |     |
|      | 7 | White, Brown  | 5 |     |
|      | 8 | Brown         | 6 |     |

Printing

