

**IE-C6HD8UG0150XCSXCS-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, M12 X-type IP 67 straight male, Cat.6 (ISO/IEC 11801), PUR, 15 m |
| Order No.  | <a href="#">2723040150</a>                                                                                       |
| Type       | IE-C6HD8UG0150XCSXCS-E                                                                                           |
| GTIN (EAN) | 4050118786002                                                                                                    |
| Qty.       | 1 pc(s).                                                                                                         |

## IE-C6HD8UG0150XCSXCS-E

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |         |                 |              |
|------------|---------|-----------------|--------------|
| Length     | 15 m    | Length (inches) | 590.551 inch |
| Net weight | 1,000 g |                 |              |

## Temperatures

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

## Cable structure

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

## Electrical properties of cable

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

## Mechanical and material properties of cable

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

## Plug, left

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

## Plug, right

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

**IE-C6HD8UG0150XCSXCS-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | EC002599    | ECLASS 9.0  | 27-06-03-08 |
| ECLASS 9.1  | 27-06-03-08 | ECLASS 10.0 | 27-06-03-08 |
| ECLASS 11.0 | 27-06-03-08 | ECLASS 12.0 | 27-06-03-08 |
| ECLASS 13.0 | 27-06-03-08 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 |             |             |

**Approvals**

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Environmental Product Compliance**

|                        |                |
|------------------------|----------------|
| RoHS Compliance Status | Compliant      |
| REACH SVHC             | Lead 7439-92-1 |

**Downloads**

|            |                                          |
|------------|------------------------------------------|
| Catalogues | <a href="#">Catalogues in PDF-format</a> |
|------------|------------------------------------------|

**IE-C6HD8UG0150XCSXCS-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Pinning**

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

