

IE-C6HD8UG0100A40XCS-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**General ordering data**

| | |
|------------|---|
| Version | Dragline cable, M12 X-type IP 67 straight male, RJ45 IP 20, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), PUR, 10 m |
| Order No. | 2723030100 |
| Type | IE-C6HD8UG0100A40XCS-E |
| GTIN (EAN) | 4050118785920 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|--------------|
| Length | 10 m | Length (inches) | 393.701 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 ² | 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.6A / Class E _A (ISO/IEC 11801 2010) | 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 _{rms} , 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 | RJ45, IP20, male contact, straight, plug, Plastic, shielded |
|-----------|---|

Plug, right

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

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| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002599 | ETIM 7.0 | EC002599 |
| ETIM 8.0 | EC002599 | ETIM 9.0 | 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 |

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

Approvals

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

Downloads

| | |
|------------|--|
| Catalogues | Catalogues in PDF-format |
|------------|--|

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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