

IE-C6HD8UG0030XCSXCS-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, M12 X-type IP 67 straight male, Cat.6 (ISO/IEC 11801), PUR, 3 m |
| Order No. | 2723040030 |
| Type | IE-C6HD8UG0030XCSXCS-E |
| GTIN (EAN) | 4050118785760 |
| Qty. | 1 items |

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Technical data

Approvals

ROHS Conform

Dimensions and weights

| | | | |
|------------|-------|-----------------|---------------|
| Length | 3 m | Length (inches) | 118.1102 inch |
| Net weight | 167 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 - 4*2*0.128 mm ² | 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 copper wiring | Wire material | Stranded tin-plated copper wire |
| Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, 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 MHz | | |

Mechanical and material properties of cable

| | | | |
|---------------------------------|------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------|
| Resistance to oils | in accordance with IEC 60811-2-1; acc. to CSA 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 60332-1-2, in accordance with UL 1581 VW-1 and CSA FT1 |

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Technical data**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 |
|------------|---------------------------------------------------------------------|

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 | | |

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 | |

