

**IE-FM5D2UE0010MSD0SD0X****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Assembled IE cables, FO breakout cable, multimode, SC duplex - SC duplex, black, Core diameter 50 µm

**General ordering data**

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| Version    | Dragline cable, SC duplex IP 20, SC duplex IP 20, 50 µm, PUR, 10 m |
| Order No.  | <a href="#">8876430100</a>                                         |
| Type       | IE-FM5D2UE0010MSD0SD0X                                             |
| GTIN (EAN) | 4032248609901                                                      |
| Qty.       | 1 pc(s).                                                           |

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## Technical data

## Dimensions and weights

|            |       |                 |              |
|------------|-------|-----------------|--------------|
| Length     | 10 m  | Length (inches) | 393.701 inch |
| Net weight | 309 g |                 |              |

## Temperatures

|                          |                |                       |                |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature      | -40 °C...80 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | -20 °C...60 °C |                       |                |

## General standards

|                    |             |
|--------------------|-------------|
| Connector standard | IEC 61754-4 |
|--------------------|-------------|

## Standards

|                    |             |
|--------------------|-------------|
| Connector standard | IEC 61754-4 |
|--------------------|-------------|

## Fibre-optic

|                           |                                                |                |                                                |
|---------------------------|------------------------------------------------|----------------|------------------------------------------------|
| Attenuation               | 2.3 dB/km at 850 nm, ≤<br>0.5 dB/km at 1300 nm | Bandwidth      | 500 MHz*km at 850 nm,<br>500 MHz*km at 1300 nm |
| Fibre type                | GOF, Multimode, OM2                            | Insertion loss | ≤ 0.4 dB                                       |
| Return loss (attenuation) | ≥ 30 dB                                        |                |                                                |

## Cable structure

|                 |                    |                  |        |
|-----------------|--------------------|------------------|--------|
| Cable layout    | Break-out dragline | Core diameter    | 50 µm  |
| Material sheath | PUR                | Primary coating  | 245 µm |
| Sheath diameter | 6 mm               | Sheathing colour | black  |

## Mechanical and material properties of cable

|                                |         |                                 |       |
|--------------------------------|---------|---------------------------------|-------|
| Bending cycles                 | 100,000 | Halogen                         | No    |
| Min. bending radius, once only | 25 mm   | Min. bending radius, repetitive | 77 mm |

## Plug

|           |                                                                    |            |                                                                    |
|-----------|--------------------------------------------------------------------|------------|--------------------------------------------------------------------|
| Plug left | SC-Duplex, IP20, male contact, straight, plug, Plastic, unshielded | Plug right | SC-Duplex, IP20, male contact, straight, plug, Plastic, unshielded |
|-----------|--------------------------------------------------------------------|------------|--------------------------------------------------------------------|

## Plug, left

|           |                                                                    |
|-----------|--------------------------------------------------------------------|
| Plug left | SC-Duplex, IP20, male contact, straight, plug, Plastic, unshielded |
|-----------|--------------------------------------------------------------------|

## Plug, right

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| Plug right | SC-Duplex, IP20, male contact, straight, plug, Plastic, unshielded |
|------------|--------------------------------------------------------------------|

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**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002607    | ETIM 7.0    | EC002607    |
| ETIM 8.0    | EC002607    | ETIM 9.0    | EC002607    |
| ETIM 10.0   | EC002607    | ECLASS 9.0  | 27-06-10-03 |
| ECLASS 9.1  | 27-06-10-03 | ECLASS 10.0 | 27-06-10-03 |
| ECLASS 11.0 | 27-06-10-03 | ECLASS 12.0 | 27-06-10-03 |
| ECLASS 13.0 | 27-06-10-03 | ECLASS 14.0 | 27-06-10-03 |
| ECLASS 15.0 | 27-06-10-03 |             |             |

**Environmental Product Compliance**

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 67cf1078-beca-4687-860b-dc475a6ec24a |

**Approvals**

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

**Downloads**

|                    |                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------|
| User Documentation | <a href="#">MAN IE GUIDE DE</a><br><a href="#">MAN IE GUIDE EN</a>                                                    |
| Catalogues         | <a href="#">Catalogues in PDF-format</a>                                                                              |
| Brochures          | <a href="#">FL FIELDWIRING EN</a><br><a href="#">PI PROFINET CABLING EN</a><br><a href="#">PI PROFINET CABLING EN</a> |

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## Drawings

### Detailed drawing

