

## IE-FM6D2UE0003MSD0SD0X

**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 62.5 µm

### General ordering data

|            |   |
|------------|---|
| Version    | Dragline cable, SC duplex IP 20, SC duplex IP 20, 62.5 µm, PUR, 3 m |
| Order No.  | <a href="#">8876440030</a>  |
| Type       | IE-FM6D2UE0003MSD0SD0X  |
| GTIN (EAN) | 4032248609925   |
| 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 | 102.08 g |                 |               |

## Temperatures

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

## 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 |

## General standards

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

## Standards

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

## Fibre-optic

|                |  |                           |  |
|----------------|--|---------------------------|--|
| Fibre type     | GOF, Multimode, OM1                            | Attenuation               | 2.7 dB/km at 850 nm, ≤<br>0.5 dB/km at 1300 nm |
| Insertion loss | ≤ 0.4 dB                                       | Return loss (attenuation) | ≥ 30 dB  |
| Bandwidth      | 200 MHz*km at 850 nm,<br>500 MHz*km at 1300 nm |                           |  |

## Cable structure

|                 |           |                  |                    |
|-----------------|-----------|------------------|--------------------|
| Sheath diameter | 6 mm      | Sheathing colour | black              |
| Material sheath | PUR       | Cable layout     | Break-out dragline |
| Primary coating | 245.00 µm | Core diameter    | 62.5 µm            |

## Mechanical and material properties of cable

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

## Plug

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

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002607    | ETIM 9.0    | EC002607    |
| ETIM 10.0   | EC002607    | ECLASS 14.0 | 27-06-10-03 |
| ECLASS 15.0 | 27-06-10-03 |             |             |

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**Drawings**

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

**Detailed drawing**

