

**IE-FM6D2UE0010MST0SD0X****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Industrial Ethernet connection technology by Weidmüller offers the optimal solution for the infrastructure of your machine, system or factory. All connection technology is available from one source.

The benefits for you:

- IEC-standardised connectors, in the variants 1, 4, 5 , 6 and 14
- consistently Cat. 6<sub>A</sub> with **STEADYTEC®** technology
- in IP20 and IP67
- all relevant industrial connections: RJ45, SC, ...
- comprehensive range of accessories

**General ordering data**

|                 |                                                               |
|-----------------|---------------------------------------------------------------|
| Version         | Dragline cable, ST IP 20, SC duplex IP 20, 62.5 µm, PUR, 10 m |
| Order No.       | <a href="#">1271990000</a>                                    |
| Type            | IE-FM6D2UE0010MST0SD0X                                        |
| GTIN (EAN)      | 4050118060959                                                 |
| Qty.            | 1 pc(s).                                                      |
| Available until | 2012-12-31                                                    |

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## Technical data

## Dimensions and weights

|            |       |                 |              |
|------------|-------|-----------------|--------------|
| Length     | 10 m  | Length (inches) | 393.701 inch |
| Net weight | 304 g |                 |              |

## Temperatures

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

## Fibre-optic

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

## Cable structure

|                 |                    |                  |         |
|-----------------|--------------------|------------------|---------|
| Cable layout    | Break-out dragline | Core diameter    | 62.5 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 | Min. bending radius, once only | 25 mm |
| Min. bending radius, repetitive | 77 mm   |                                |       |

## 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> |