

**Industrial Ethernet  
IE-FM6D2UE0120MSD0SD0X**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
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
- Cat. 6 throughout<sub>A</sub> with **STEADYTEC®** technology
- pre-assembled cables and cables sold by the metre
- Copper and fibre-optic cables
- in IP20 and IP67
- all relevant industrial connections: RJ45, M12, SC, ...
- comprehensive range of accessories

**General ordering data**

Type	IE-FM6D2UE0120MSD0SD0X
Order No.	<a href="#">1378550000</a>
Version	Dragline cable, SC duplex IP 20, SC duplex IP 20, 62.5 µm, PUR, 120 m
GTIN (EAN)	4050118179934
Qty.	1 pc(s).

**Industrial Ethernet  
IE-FM6D2UE0120MSD0SD0X**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data****Dimensions and weights**

Length	120 m	Length (inches)	4.724 inch
Net weight	3,146 g		

**Temperatures**

Operating temperature, max.	80 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	80 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...80 °C	Storage temperature	-40 °C...80 °C
Installation temperature	-20 °C...60 °C		

**Fibre-optic**

Attenuation	2.7 dB/km at 850 nm, &le; 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**

Core diameter	62.5 µm	Sheath diameter	6 mm
Cable layout	Break-out dragline	Material sheath	PUR
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		

**plug**

Connector left	SC duplex IP 20	Connector right	SC duplex IP 20
----------------	-----------------	-----------------	-----------------

**Classifications**

ETIM 3.0	EC000034	ETIM 6.0	EC002607
eClass 5.1	27-06-18-03	eClass 6.2	27-14-91-90
eClass 7.1	27-14-91-90	eClass 8.1	27-14-91-90
eClass 9.0	27-06-10-03	eClass 9.1	27-06-10-03

**Approvals**

ROHS	Conform
------	---------

**Downloads**

Brochure/Catalogue	<a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>