

**Industrial Ethernet  
IE-FM5D2UE0100MST0ST0X**

**Weidmüller Interface GmbH & Co. KG**  
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D-32758 Detmold  
Germany  
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Assembled IE cables, FO breakout cable, multimode, SC duplex - SC duplex, black, Core diameter 50 µm

**General ordering data**

Type	IE-FM5D2UE0100MST0ST0X
Order No.	<a href="#">8876451000</a>
Version	Dragline cable, ST IP 20, ST IP 20, 50 µm, PUR, 100 m
GTIN (EAN)	4050118072969
Qty.	1 pc(s).

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

Length	100 m	Length (inches)	3.937 inch
Net weight	4,057 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	2.3 dB/km at 850 nm, &le; 0.5 dB/km at 1300 nm	Bandwidth	500 MHz*km at 850 nm, 500 MHz*km at 1300 nm
Fibre type	GOF, Multimode, OM2	Insertion loss	≤ 0.4 dB
Return loss (attenuation)	≥ 30 dB		

**Cable structure**

Core diameter	50 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	ST IP 20	Connector right	ST IP 20
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**Classifications**

ETIM 3.0	EC000034	ETIM 5.0	EC000034
ETIM 6.0	EC002607	eClass 5.1	27-06-18-03
eClass 6.2	27-06-18-03	eClass 7.1	27-06-18-03
eClass 8.1	27-06-18-03	eClass 9.0	27-06-10-03
eClass 9.1	27-06-10-03		

**Approvals**

ROHS	Conform
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**Downloads**

Brochure/Catalogue	<a href="#">CAT 9 IETH 15/16 EN</a> <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>

**Data sheet**

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**Drawings**

**Detailed drawing**

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