

**IE-C5DB4FE0100MSAMSA-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Assembled IE cables, railway cable, Cat.5, black, M12

**General ordering data**

Version	System cable, M12 D-code - IP 67 angled socket, M12 D-code - IP 67 angled socket, Cat.5 / Class D, Cross-linked Premium FRNC, 10 m
Order No.	<a href="#">1309940100</a>
Type	IE-C5DB4FE0100MSAMSA-E
GTIN (EAN)	4050118147346
Qty.	1 pc(s).

Creation date March 23, 2021 3:18:46 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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

Length	10 m	Length (inches)	393.701 inch
Net weight	692 g		

**Temperatures**

Storage temperature	-40 °C...90 °C	Operating temperature	-40 °C...90 °C
Installation temperature	-5 °C...50 °C		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**Cable specific standards**

Corrosiveness of fumes	to IEC 60754-2	Fire safety for railway vehicles	According to DIN 55 10-2 fire safety levels 1,2,3,4
Fluorine content	According to EN 60684-2 Section 45.2	Hydrogen halide content	According to IEC 60754-1, According to EN-50267-2-1
Impervious to smoke	in accordance with EN 50268-2, According to IEC 61034-2	Poisonous gases	According to BS 6853 Appendix B

**Electrical properties**

Operating voltage	300 V
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**Standards**

Corrosiveness of fumes	to IEC 60754-2	Fire safety for railway vehicles	According to DIN 55 10-2 fire safety levels 1,2,3,4
Fluorine content	According to EN 60684-2 Section 45.2	Hydrogen halide content	According to IEC 60754-1, According to EN-50267-2-1
Impervious to smoke	in accordance with EN 50268-2, According to IEC 61034-2	Poisonous gases	According to BS 6853 Appendix B

**Cable structure**

Arrangement of wire cores	Star-quad	Cross-section	4xAWG22/19
Material sheath	Cross-linked Premium FRNC	Number of wires	4
Sheath diameter, max.	7 mm	Sheath diameter, min.	6.4 mm
Sheathing colour	black		

**Electrical properties of cable**

Category	Cat.5 / Class D	Characteristic impedance	100 ± 15 Ω at 1–100 MHz
Operating voltage	300 V		

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**Technical data****Mechanical and material properties of cable**

Corrosiveness of fumes	to IEC 60754-2	Halogen	No
Impervious to smoke	in accordance with EN 50268-2, According to IEC 61034-2	Min. bending radius, once only	5 x cable diameter
Min. bending radius, repetitive	10 x cable diameter		

**Plug, left**

Connector left	M12 D-code – IP 67 angled socket
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**Plug, right**

Connector right	M12 D-code – IP 67 angled socket
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**plug**

Connector left	M12 D-code – IP 67 angled socket	Connector right	M12 D-code – IP 67 angled socket
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**Classifications**

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ECLASS 9.0	27-06-03-08	ECLASS 9.1	27-06-03-08
ECLASS 10.0	27-06-03-08	ECLASS 11.0	27-06-03-08

**Approvals**

ROHS	Conform
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**Downloads**

User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>
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**Data sheet****IE-C5DB4FE0100MSAMSA-E****Weidmüller Interface GmbH & Co. KG**  
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Germany[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Wiring**

M12		M12
1	yellow	1
2	white	2
3	orange	3
4	blue	4