

IE-C5DB4FE0100MCSMCS-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 straight pin, M12 D-code – IP 67 straight pin, Cat.5 / Class D, Cross-linked Premium FRNC, 10 m
Order No.	1309870100
Type	IE-C5DB4FE0100MCSMCS-E
GTIN (EAN)	4050118148237
Qty.	1 pc(s).

Creation date March 23, 2021 3:17:02 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 5510-2 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 5510-2 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 straight pin
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Plug, right

Connector right	M12 D-code – IP 67 straight pin
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plug

Connector left	M12 D-code – IP 67 straight pin	Connector right	M12 D-code – IP 67 straight pin
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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

Engineering Data	STEP
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

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Drawings

Wiring

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