

**Industrial Ethernet
IE-C5DB4RE0100MCAXXX-X**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
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Assembled IE cables, railway cable, Cat. 5, PUR, black,
M12

General ordering data

Type	IE-C5DB4RE0100MCAXXX-X
Order No.	1059900100
Version	System cable, M12 D-code – IP 67 angled pin, Open, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568- B), Radox GWK S, 10 m
GTIN (EAN)	4032248808656
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Length	10 m	Length (inches)	0.394 inch
Net weight	803 g	Insulation cross-section	1.95 mm

Temperatures

Operating temperature, max.	90 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	90 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...90 °C	Storage temperature	-40 °C...90 °C
Installation temperature	-25 °C...90 °C		

Standards

Fire safety for railway vehicles	According to DIN 5510-2 fire safety levels 1,2,3,4, According to BS 6853, According to EN50288-2-2, According to EN 45545, HL1 - HL3	Fire protection in buses	according to ISO 6722-1 5.22 (UN ECE-R 118.01)
Flames propagate vertically on bundled cables	According to BS4066-3, DIN EN 50266-2-5, According to IEC 60332-3-25 D	Impervious to smoke	According to BS 6853 Appendix D, in accordance with EN 50268-2, According to IEC 61034-2
Corrosiveness of fumes	to IEC 60754-2	Hydrogen halide content	According to EN-50267-2-1, According to IEC 60754-1
Poisonous gases	According to BS 6853 Appendix B	Fluorine content	According to EN 60684-2 Section 45.2
Multi-wire metallic data and control cable	According to EN50288-2-2	Connector standard	IEC 61076-2-101
Certificate no. (cULus)	E316369		

Cable structure

Strands	7	Cross-section	2*2*AWG 22/7 - 2*2*0.36 mm ²
Insulation cross-section	1.95 mm	Shielding	SF/UTP
Material sheath	Radox GKW S	Sheath diameter, min.	6.95 mm
Sheath diameter, max.	7.55 mm	Sheathing colour	Black

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)
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Mechanical and material properties of cable

Min. bending radius, repetitive	6 * diameter	Abrasion resistance	very good
Resistance to oils	in accordance with EN 50306-3	Halogen	halogen-free, according to IEC 60754-2
Corrosiveness of fumes	to IEC 60754-2	Impervious to smoke	According to BS 6853 Appendix D, in accordance with EN 50268-2, According to IEC 61034-2

Data sheet

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Technical data

plug

Connector left	M12 D-code – IP 67 angled pin	Connector right	Open
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Classifications

ETIM 3.0	EC000830	ETIM 4.0	EC000830
ETIM 5.0	EC000830	ETIM 6.0	EC002599
eClass 6.2	27-06-91-90	eClass 7.1	27-06-91-90
eClass 8.1	27-06-91-90	eClass 9.0	27-06-91-90
eClass 9.1	27-06-03-08		

Approvals

Approvals



ROHS Conform

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Detailed drawing

	M12
yellow	1
white	2
orange	3
blue	4

