

IE-C6GB8RB0100XCSXCS-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Assembled IE cables, railway cable, Cat.7, blue, M12

General ordering data

Version	System cable, M12 X-type IP 67 straight male, M12 X-type IP 67 straight male, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), Radox EM 104, 10 m
Order No.	2464200100
Type	IE-C6GB8RB0100XCSXCS-E
GTIN (EAN)	4050118478679
Qty.	1 pc(s).

Creation date March 27, 2021 1:06:41 AM 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	885 g		

Temperatures

Operating temperature	-50 °C...70 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Cable specific standards

Corrosiveness of fumes		Fire safety for railway vehicles	According to EN 45545, HL1 - HL3, According to DIN 5510 1-4, According to UNI CEI 11170, LR1-LR4, According to NFPA 130, According to BS 6853, GM/RT 2130, Ia,Ib, II, According to NF F16-101, A1, A2, B
Flames propagate vertically on bundled cables	in accordance with IEC 60754-2 in accordance with IEC 60332-1-2, EN 50305, According to IEC 60332-3-25 D, According to BS 6853 Appendix D, According to NF C32-070, 2.1, According to NF C32-070, 2.2, According to UL1685, 12 (FT4 exp.), in accordance with EN 50266	Fluorine content	According to EN 60684-2 Section 45.2
Hydrogen halide content	According to EN-50267-2-1	Impervious to smoke	According to BS 6853 Appendix D, According to IEC 61034-2, According to UL1685, 12 (FT4 exp.)
Poisonous gases	According to BS 6853 Appendix B		

General standards

Connector standard	IEC 61076-2-109
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Technical data

Standards

Connector standard	IEC 61076-2-109	Corrosiveness of fumes	to IEC 60754-2
Fire safety for railway vehicles	According to EN 45545, HL1 - HL3, According to DIN 5510 1-4, According to UNI CEI 11170, LR1-LR4, According to NFPA 130, According to BS 6853, GM/RT 2130, Ia,Ib, II, According to NF F16-101, A1, A2, B	Flames propagate vertically on bundled cables	in accordance with IEC 60332-1-2, EN 50305, According to IEC 60332-3-25 D, According to BS 6853 Appendix D, According to NF C32-070, 2.1, According to NF C32-070, 2.2, According to UL1685, 12 (FT4 exp.), in accordance with EN 50266
Fluorine content	According to EN 60684-2 Section 45.2	Hydrogen halide content	According to EN-50267-2-1
Impervious to smoke	According to BS 6853 Appendix D, According to IEC 61034-2, According to UL1685, 12 (FT4 exp.)	Poisonous gases	According to BS 6853 Appendix B

Cable structure

Cross-section	4*2*AWG24/7 - 4*2*0.2 mm ²	Insulation cross-section	1.35 mm
Material sheath	Radox EM 104	Sheath diameter, max.	8.6 mm
Sheath diameter, min.	7.6 mm	Sheathing colour	blue
Shielding	S/FTP	Strands	7

Electrical properties of cable

Category	Cat.6 _A / Class E _A (ISO/IEC 11801 2010)	Speed	10 GBit/s
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Mechanical and material properties of cable

Abrasion resistance	very good	Corrosiveness of fumes	to IEC 60754-2
Halogen	halogen-free, according to IEC 60754-2	Impervious to smoke	According to BS 6853 Appendix D, According to IEC 61034-2, According to UL1685, 12 (FT4 exp.)
Min. bending radius, repetitive	4 x cable diameter	Speed	10 GBit/s

Plug, left

Connector left	M12 X-type IP 67 straight male
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Plug, right

Connector right	M12 X-type IP 67 straight male
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plug

Connector left	M12 X-type IP 67 straight male	Connector right	M12 X-type IP 67 straight male
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Technical data**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

Downloads

User Documentation [MAN IE GUIDE DE](#)
[MAN IE GUIDE EN](#)

Data sheet

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Drawings

Wiring

M12	1	White, Orange	1	M12
	2	Orange	2	
	3	White, Green	3	
	4	Green	4	
	5	White, Brown	5	
	6	Brown	6	
	7	White, Blue	7	
	8	Blue	8	

Pinning

