Data sheet

IE-C6GB8RB0210XCSXCS-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.6A / Class EA (ISO/IEC 11801 2010), Radox EM 104, 21 m
Order No.	2464200210
Type	IE-C6GB8RB0210XCSXCS-E
GTIN (EAN)	4050118478914
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Length	21 m	Length (inches)	826.7717 inch
Net weight	0 g		

Temperatures

Storage temperature		Operating temperature	-30 °C...70 °C
Installation temperature			

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

Cable specific standards

Fluorine content	According to EN 60684-2 Section 45.2	Flames propagate vertically on bundled cables	EN 50305, EN 60332-3-25, According to NF C32-070, 2.2, According to UL1685, 12 (FT4 exp.), in accordance with EN 50266
Multi-wire metallic data and control cable	DIN EN 50288-4-2	Hydrogen halide content	According to EN-50267-2-1
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 NF F16-101, A1, A2, B, According to UNI CEI 11170, LR1-LR4, NFPA 130, According to BS 6853, GM/RT 2130, Ia,Ib, II
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

Electrical properties

Operating voltage	50 V	Insulation resistance	≥ 100 MΩ

General standards

Connector standard	IEC 61076-2-109

Cable structure

Wire connection cross section AWG, max.	AWG 24	Strands	7
Sheathing colour	blue	Cross-section	4*2*AWG24/7 - 4*2*0.2 mm²

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Shielding	S/FTP	Number of wires	8
Insulation cross-section	1.35 mm	Insulation	PE
Sheath diameter, max.	8.6 mm	Sheath diameter, min.	7.6 mm
Material sheath	Radox EM 104	Colour coding	white / orange, orange, white / green, green, white / brown, brown, white / blue, blue
Wire material	Stranded tin-plated copper wire		

Electrical properties of cable

Transmission rate	10 Gbit/s	Operating voltage	50 V
Insulation resistance	≥ 100 MΩ	Category	Cat.6A / Class EA (ISO/IEC 11801 2010)

Mechanical and material properties of cable

Resistance to oils	in accordance with EN 50264-1 or EN 50306-1	Halogen	No
Min. bending radius, repetitive	4 x cable diameter	Abrasion resistance	very good
Resistance to spread of flame	in accordance with IEC 60332-1-2, According to NF C32-070, 2.1, NFPA 130	Corrosiveness of fumes	to IEC 60754-2
Impervious to smoke	According to BS 6853 Appendix D, According to IEC 61034-2, According to UL1685, 12 (FT4 exp.)		

Plug, left

Plug left	M12, X-coded, Number of poles: 8, IP67, male contact, straight, plug, Plastic, shielded

Plug, right

Plug right	M12, X-coded, Number of poles: 8, IP67, male contact, straight, plug, Plastic, shielded

Classifications

ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

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Drawings

Wiring



Pinning

