

**Industrial Ethernet  
IE-C6GB8RB0230XCSXCS-E**

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

**General ordering data**

Type	IE-C6GB8RB0230XCSXCS-E
Order No.	<a href="#">2464200230</a>
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, 23 m
GTIN (EAN)	4050118478921
Qty.	1 pc(s).

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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

Length	23 m	Length (inches)	0.906 inch
Net weight	0.001 g	Insulation cross-section	1.35 mm

**Temperatures**

Operating temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature	-50 °C...70 °C		

**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	to 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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**Cable structure**

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

**Electrical properties of cable**

Category	Cat.6A / Class E <sub>A</sub> (ISO/IEC 11801 2010)	Speed	10 GBit/s
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## Technical data

### Mechanical and material properties of cable

Min. bending radius, repetitive	4 x cable diameter	Speed	10 GBit/s
Abrasion resistance	very good	Halogen	halogen-free, according to IEC 60754-2
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

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

### Approvals

ROHS	Conform
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### Downloads

Brochure/Catalogue	<a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>

**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**

