

IE-C6GB8RB0250XCSXCS-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, 25 m
Order No.	2464200250
Type	IE-C6GB8RB0250XCSXCS-E
GTIN (EAN)	4050118478938
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Length	25 m	Length (inches)	984.252 inch
Net weight	0.001 g		

Temperatures

Operating temperature	-50 °C...70 °C
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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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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

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Technical data**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, S/FTP
Shielding	S/FTP	Strands	7

Electrical properties of cable

Category	Cat.6 _A / Class E _A (ISO/IEC 11801 2010)	Transmission rate	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	Resistance to oils	Yes
Resistance to spread of flame	einfügen EN60332		

Plug, left

Plug left	M12, X-coded, IP67, male contact, straight, plug, Plastic, shielded
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Plug, right

Plug right	M12, X-coded, IP67, male contact, straight, plug, Plastic, shielded
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Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	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
ECLASS 12.0	27-06-03-08	ECLASS 13.0	27-06-03-08

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

Approvals

ROHS	Conform
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Technical data

Downloads

User Documentation

[MAN IE GUIDE DE](#)

[MAN IE GUIDE EN](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

[FL FIELDWIRING EN](#)

[PI PROFINET CABLING EN](#)

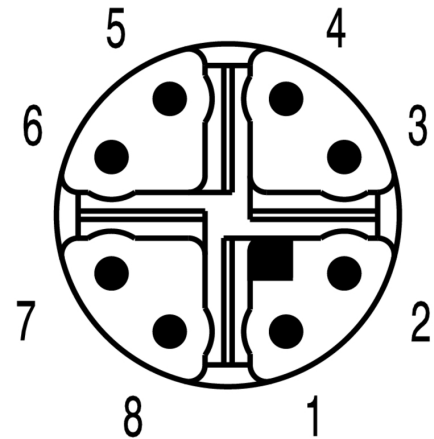
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Drawings**Wiring**

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

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Accessories

Screwty® cable gland tool



The ideal tool for any application

Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

General ordering data

Type	SCREWTY SET	Version	Packaging
Order No.	1910000000	Cable gland tool for M8, M12 lines and connectors	Cardboard box
GTIN (EAN)	4032248436842		
Qty.	1 pc(s).		
Type	SCREWTY- M12	Version	Packaging
Order No.	1900000000	Cable gland tool for moulded M12 lines	Cardboard box
GTIN (EAN)	4032248375868		
Qty.	1 pc(s).		

Screwty® cable gland tool with torque function



The ideal tool for any application

Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

General ordering data

Type	SCREWTY SET -DM	Version	Packaging
Order No.	1920000000	Cable gland tool for M8, M12 lines and connectors	Cardboard box
GTIN (EAN)	4032248436859		
Qty.	1 pc(s).		
Type	SCREWTY-M12-DM	Version	Packaging
Order No.	1900001000	Cable gland tool for moulded M12 lines	Cardboard box
GTIN (EAN)	4032248436408		
Qty.	1 pc(s).		