

**IE-C6GB8RB0050XCSXCS-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010), Radox EM 104, 5 m
Order No.	<a href="#">2464200050</a>
Type	IE-C6GB8RB0050XCSXCS-E
GTIN (EAN)	4050118478662
Qty.	1 pc(s).

Creation date May 2, 2024 12:51:12 AM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Length	5 m	Length (inches)	196.85 inch
Net weight	442 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
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**Technical data****Cable structure**

Cross-section	4*2*AWG24/7 - 4*2*0.2 mm <sup>2</sup>	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 <sub>A</sub> / Class E <sub>A</sub> (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](#)

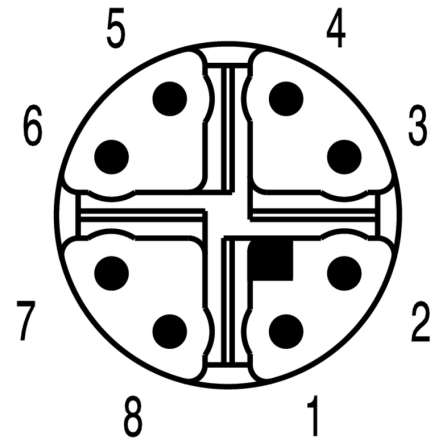
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**Drawings****Wiring**

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.	<a href="#">1910000000</a>	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.	<a href="#">1900000000</a>	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-M12-DM	Version	Packaging
Order No.	<a href="#">1900001000</a>	Cable gland tool for moulded M12 lines	Cardboard box
GTIN (EAN)	4032248436408		
Qty.	1 pc(s).		
Type	SCREWTY SET -DM	Version	Packaging
Order No.	<a href="#">1920000000</a>	Cable gland tool for M8, M12 lines and connectors	Cardboard box
GTIN (EAN)	4032248436859		
Qty.	1 pc(s).		