

**IE-C5DB4BB0020MCSMCS-X****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Assembled IE cables, railway cable, Cat.5, blue, M12

**General ordering data**

Version	System cable, M12 D-code – IP 67 straight pin, M12 D-code – IP 67 straight pin, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), Polyolefine, 2 m
Order No.	<a href="#">2672320020</a>
Type	IE-C5DB4BB0020MCSMCS-X
GTIN (EAN)	4064675043393
Qty.	1 pc(s).

Creation date May 23, 2024 7:32:49 AM CEST

Catalogue status 18.05.2024 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Length	2 m	Length (inches)	78.74 inch
Net weight	150 g		

## Temperatures

Operating temperature	-40 °C...90 °C
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## Cable specific standards

Corrosiveness of fumes	EN 50267-2-2	Fire safety for railway vehicles	NFPA 130, DIN EN 45545-2
Flames propagate vertically on bundled cables	EN 60332-3-25	Hydrogen halide content	According to EN-50267-2-1, According to IEC 60754-1
Impervious to smoke	EN 61034-2	Poisonous gases	EN 50305

## Electrical properties

Rated voltage	125 V
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## General standards

Connector standard	IEC 61076-2-101
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## Standards

Connector standard	IEC 61076-2-101	Corrosiveness of fumes	EN 50267-2-2
Fire safety for railway vehicles	NFPA 130, DIN EN 45545-2	Flames propagate vertically on bundled cables	EN 60332-3-25
Hydrogen halide content	According to EN-50267-2-1, According to IEC 60754-1	Impervious to smoke	EN 61034-2
Poisonous gases	EN 50305		

## Cable structure

Colour coding	blue, yellow, white, orange	Copper diameter	0.254 mm
Cross-section	4*AWG 22/7 - 0.32 mm <sup>2</sup>	Insulation	PE
Insulation cross-section	1.95 mm	Material sheath	Polyolefine
Number of wires	4	Sheath diameter, max.	6.8 mm
Sheath diameter, min.	6.4 mm	Sheathing colour	blue, SF/UTP
Sheathing material thickness	1 mm	Shielding	SF/UTP
Wire connection cross section AWG, max.	AWG 22	Wire core insulation thickness	1.4 mm
Wire material	tinned copper	Wire pair shielding	Plastic foil

## Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Coupling attenuation up to 1000 MHz	90 dB
Coupling resistance at 10 MHz / m	8 mΩ	Shield attenuation up to 1000 MHz	60 dB
Test voltage: wire-wire-shield	1000 V <sub>eff</sub> , 50 Hz, 1 min		

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Mechanical and material properties of cable**

Corrosiveness of fumes	EN 50267-2-2	Halogen	halogen-free, according to IEC 60754-2, No
Impervious to smoke	EN 61034-2	Min. bending radius, once only	5 x cable diameter
Min. bending radius, repetitive	6 *diameter	Resistance to oils	in accordance with IEC 60811:404

**Plug, left**

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

Plug right	M12, D-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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**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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## Drawings

### Dimensioned drawing



### Dimensioned drawing



### Wiring diagram

M12		M12
1	yellow	1
2	white	2
3	orange	3
4	blue	4

### Detailed drawing



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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- 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).		
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).		

## 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.	<a href="#">1920000000</a>	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.	<a href="#">1900001000</a>	Cable gland tool for moulded M12 lines	Cardboard box
GTIN (EAN)	4032248436408		
Qty.	1 pc(s).		