Data sheet

IE-C5DB4BB0015MCSMSS-X

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

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 socket, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), Polyolefine, 1.5 m
Order No.	2672350015
Type	IE-C5DB4BB0015MCSMSS-X
GTIN (EAN)	4064675262206
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Length	1.5 m	Length (inches)	59.0551 inch
Net weight	100 g		

Temperatures

Storage temperature		Operating temperature	
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

Flames propagate vertically on bundled cables	EN 60332-3-25	Multi-wire metallic data and control cable	IEC 61156-6
Hydrogen halide content	According to EN-50267-2-1	Corrosiveness of fumes	EN 50267-2-2
Fire safety for railway vehicles	NFPA 130, DIN EN 45545-2	Impervious to smoke	EN 61034-2
Poisonous gases	EN 50305		

Electrical properties

Insulation resistance	≥ 5000 MΩ	Nominal voltage	125 V

General standards

Connector standard	IEC 61076-2-101

Cable structure

Wire connection cross section AWG, max.	AWG 22	Sheathing colour	blue
Cross-section	4*AWG 22/7 - 0.32 mm²	Shielding	SF/UTP
Number of wires	4	Insulation	PE
Sheath diameter, max.	6.8 mm	Sheath diameter, min.	6.4 mm
Material sheath	Polyolefine	Cable layout	Hybrid cable, for permanent installation
Copper diameter	0.75 mm	Wire core insulation thickness	1.4 mm
Colour coding	blue, yellow, white, orange	Wire material	tinned copper
Sheathing material thickness	1 mm		

Electrical properties of cable

Insulation resistance	≥ 5000 MΩ	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	8.00 mΩ
Shield attenuation up to 1000 MHz	60.00 dB	Test voltage: wire-wire-shield	1000 Veff, 50 Hz, 1 min

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Mechanical and material properties of cable

Resistance to oils	in accordance with IEC 60811:404	Colour	blue
Halogen	No, halogen-free, according to IEC 60754-2	Min. bending radius, repetitive	6 *diameter
Min. bending radius, once only	5 x cable diameter	Resistance to spread of flame	in accordance with IEC 60332-1-2, EN 60332-3-25
Corrosiveness of fumes	EN 50267-2-2	Impervious to smoke	EN 61034-2

Plug, left

Plug left	M12, D-coded, Number of poles: 4, IP67, male contact, straight, plug, Plastic, shielded

Plug, right

Plug right	M12, D-coded, Number of poles: 4, IP67, female contact, straight, plug, Plastic, shielded

Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	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	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

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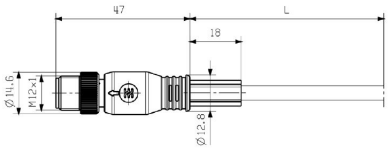
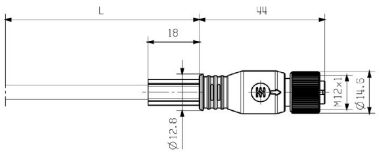
Drawings

Dimensioned drawing

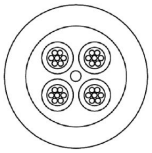


Dimensioned drawing



Wiring diagram

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 SET	Version
Order No.	1910000000	Cable gland tool for M8, M12 lines and connectors
GTIN (EAN)	4032248436842	
Qty.	1 ST	

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
Order No.	1920000000	Cable gland tool for M8, M12 lines and connectors
GTIN (EAN)	4032248436859	
Qty.	1 ST	

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General ordering data

Type	SCREWTY- M12	Version
Order No.	1900000000	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248375868	
Qty.	1 ST	

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
Order No.	1900001000	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248436408	
Qty.	1 ST	