Data sheet

IE-C5DB4WE0220MCSMCS-E

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

www.weidmueller.com

Assembled IE cables, railway cable RW (reduced wire), Cat. 5, PUR, black, plug on both sides M12 straight pin

General ordering data

Version	System cable, M12 D-code – IP 67 straight pin, M12 D-code – IP 67 straight pin, Cat. 5e, Radox EM 104, 22 m
Order No.	3134070220
Type	IE-C5DB4WE0220MCSMCS-E
GTIN (EAN)	4099987978811
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Length	22 m	Length (inches)	866.1417 inch
Net weight	1441 g		

Temperatures

Storage temperature		Operating temperature	-25 °C...85 °C

Cable specific standards

Fluorine content	According to EN 60684-2 Section 45.2	Flames propagate vertically on bundled cables	in accordance with EN 50266, EN 50305, EN 60332-3-25, According to NF C32-070, 2.1, According to UL1685, 12 (FT4 exp.)
Multi-wire metallic data and control cable	According to EN50288-2-2	Hydrogen halide content	According to EN-50267-2-1
Corrosiveness of fumes	EN 50267-2-2	Fire safety for railway vehicles	According to BS 6853, GM/RT 2130, Ia,Ib, II, According to EN 45545, HL1 - HL3, According to DIN 5510 1-4, According to NF F16-101, A1, A2, B, According to UNI CEI 11170, LR1-LR4, NFPA 130
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 61076-2-101

Cable structure

Wire connection cross section AWG, max.	AWG 22	Sheathing colour	black
Cross-section	4*AWG 22/7 - 0.32 mm²	Shielding	SF/UTP
Number of wires	4	Insulation cross-section	1.55 mm
Insulation	PE	Sheath diameter, max.	7 mm
Sheath diameter, min.	6.2 mm	Material sheath	Radox EM 104
Colour coding	yellow, white, orange, blue	Wire material	Copper alloy

Electrical properties of cable

Category	Cat. 5e

Mechanical and material properties of cable

Resistance to oils	in accordance with EN 50264-1 or EN 50306-1	Halogen	No
Min. bending radius, repetitive	6 *diameter	Min. bending radius, once only	10 x cable diameter

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Resistance to spread of flame	in accordance with IEC 60332-1-2, According to NF C32-070, 2.1, NFPA 130	Corrosiveness of fumes	EN 50267-2-2
Impervious to smoke	According to BS 6853 Appendix D, According to IEC 61034-2, According to UL1685, 12 (FT4 exp.)		

Plug, left

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

Plug, right

Plug right	connector, M12, D-coded, Number of poles: 4, IP67, male contact, straight, shielded

Classifications

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

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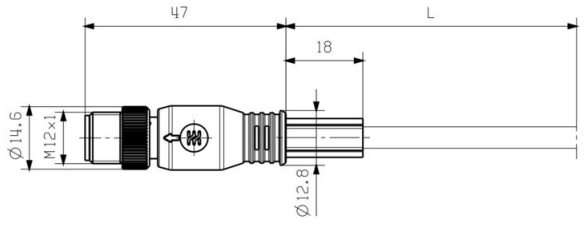
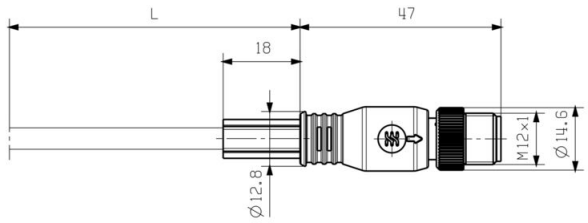
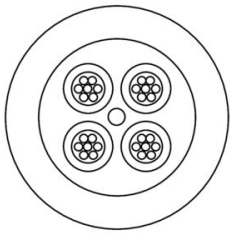
Drawings





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
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General ordering data

Type	SCREWTY-M12-DM	Version
Order No.	1900001000	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248436408	
Qty.	1 ST	