

**IE-C5DB4WE0065MCSA70-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Assembled IE lines, railway cable RW (reduced wire), cat. 5, PUR, black, RJ45 plug, no tools required, IP20 and M12 straight pin

**General ordering data**

Version	System cable, M12 D-code – IP 67 straight pin, RJ45 IP 20, Cat.5 (ISO/IEC 11801), Radox GKW S, 6.5 m
Order No.	<a href="#">1220310065</a>
Type	IE-C5DB4WE0065MCSA70-E
GTIN (EAN)	4050118350869
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Length	6.5 m	Length (inches)	255.906 inch
Net weight	450 g		

## Temperatures

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

Corrosiveness of fumes	to IEC 60754-2	Fire protection in buses	According to ISO 6722-1 5.22 (UN ECE-R 118.01)
Fire safety for railway vehicles	According to DIN 5510-2 fire safety levels 1,2,3,4, According to BS 6853, According to EN50288-2-2, According to EN 45545, HL1 - HL3	Flames propagate vertically on bundled cables	According to BS4066-3, DIN EN 50266-2-5, According to IEC 60332-3-25 D
Fluorine content	According to EN 60684-2 Section 45.2	Hydrogen halide content	According to EN-50267-2-1, According to IEC 60754-1
Impervious to smoke	According to BS 6853 Appendix D, in accordance with EN 50268-2, According to IEC 61034-2	Multi-wire metallic data and control cable	According to EN50288-2-2
Poisonous gases	According to BS 6853 Appendix B		

## Standards

Corrosiveness of fumes	to IEC 60754-2	Fire safety for railway vehicles	According to DIN 5510-2 fire safety levels 1,2,3,4, According to BS 6853, According to EN50288-2-2, According to EN 45545, HL1 - HL3
Flames propagate vertically on bundled cables	According to BS4066-3, DIN EN 50266-2-5, According to IEC 60332-3-25 D	Fluorine content	According to EN 60684-2 Section 45.2
Hydrogen halide content	According to EN-50267-2-1, According to IEC 60754-1	Impervious to smoke	According to BS 6853 Appendix D, in accordance with EN 50268-2, According to IEC 61034-2
Multi-wire metallic data and control cable	According to EN50288-2-2	Poisonous gases	According to BS 6853 Appendix B

## Cable structure

Cross-section	2*2*AWG 22/7 - 2*2*0.36 mm <sup>2</sup>	Insulation cross-section	1.58 mm
Material sheath	Radox GKW S	Sheath diameter, max.	7 mm
Sheath diameter, min.	6.2 mm	Sheathing colour	black, SF/UTP
Shielding	SF/UTP	Strands	7

## Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801)
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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, in accordance with EN 50268-2, According to IEC 61034-2
Min. bending radius, repetitive	6 *diameter	Resistance to oils	in accordance with EN 50306-3

## Plug, left

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

Plug right	RJ45, IP20, male contact, straight, plug, Zinc diecast, 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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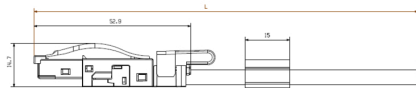
## Downloads

Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">PCN-PB47-20230322-A-EN</a> <a href="#">PCN-PB47-20230322-A-DE</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>

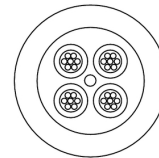
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**Drawings****Dimensioned drawing****Dimensional drawing****Wiring diagram**

RJ45		M12
1	yellow	1
3	white	2
2	orange	3
6	blue	4

**Detailed drawing**

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## Accessories

## 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).		

## TM HF 18 mm



The TM sleeves contain no halogens and virtually no pollutants. The sleeves are equipped with the TM-I 12 or TM-I 18 tags. They cover a wide range of applications for cables and lines. This system has particularly proved its worth in traffic engineering. The slim design guarantees firm seating on the conductor.

- Halogen-free
- The slim design guarantees firm seating on the conductor
- TMX 18 for mounting with cable-ties (width 3.6 mm)

## General ordering data

Type	TM 4/18 HF/HB	Version
Order No.	<a href="#">1719850000</a>	TM, Socket x 11.4 mm, Polyethylene LD, Colour: Transparent,
GTIN (EAN)	4008190353209	Conductor O.D.: 6 - 10 mm
Qty.	500 pc(s).	

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## 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).		

## TM HF 12 mm



The TM sleeves contain no halogens and virtually no pollutants. The sleeves are equipped with the TM-I 12 or TM-I 18 tags. They cover a wide range of applications for cables and lines. This system has particularly proved its worth in traffic engineering. The slim design guarantees firm seating on the conductor.

- Halogen-free
- The slim design guarantees firm seating on the conductor
- TMX 18 for mounting with cable-ties (width 3.6 mm)

## General ordering data

Type	TM 4/12 HF/HB	Version
Order No.	<a href="#">1719840000</a>	TM, Socket x 11.4 mm, Polyethylene LD, Colour: Transparent,
GTIN (EAN)	4008190353193	Conductor O.D.: 6 - 10 mm
Qty.	500 pc(s).	