

IE-C5DB4WE0100MCSA70-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, 10 m
Order No.	1220310100
Type	IE-C5DB4WE0100MCSA70-E
GTIN (EAN)	4050118357509
Qty.	1 pc(s).

Creation date April 28, 2024 9:56:01 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	10 m	Length (inches)	393.701 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 ²	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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Technical data**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	CAD data – STEP
Product Change Notification	PCN-PB47-20230322-A-EN PCN-PB47-20230322-A-DE
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN PI PROFINET CABLING EN

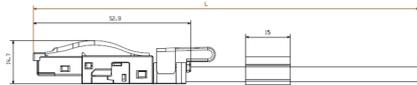
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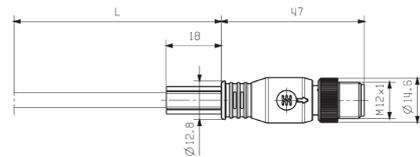
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Drawings

Dimensioned drawing



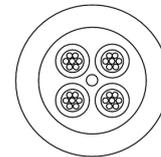
Dimensional drawing



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.	1900001000	Cable gland tool for moulded M12 lines		Cardboard box
GTIN (EAN)	4032248436408			
Qty.	1 pc(s).			
Type	SCREWTY SET -DM	Version		Packaging
Order No.	1920000000	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.	1719850000	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.	1900000000	Cable gland tool for moulded M12 lines	Cardboard box
GTIN (EAN)	4032248375868		
Qty.	1 pc(s).		
Type	SCREWTY SET	Version	Packaging
Order No.	1910000000	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.	1719840000	TM, Socket x 11.4 mm, Polyethylene LD, Colour: Transparent,
GTIN (EAN)	4008190353193	Conductor O.D.: 6 - 10 mm
Qty.	500 pc(s).	