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Industrial Ethernet
IE-C5DB4RE0100MCAXXX-X

Assembled IE cables, railway cable, Cat. 5, PUR, black,
M12

General ordering data

Type	IE-C5DB4RE0100MCAXXX-X
Order No.	1059900100
Version	System cable, M12 D-code – IP 67 angled pin, Open, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), Radox GKW S, 10 m
GTIN (EAN)	4032248808656
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	10 m	Length (inches)	0.394 inch
Net weight	803 g	Insulation cross-section	1.95 mm

Temperatures

Operating temperature, max.	90 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	90 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...90 °C	Storage temperature	-40 °C...90 °C
Installation temperature	-25 °C...90 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Standards

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	Fire protection in buses	according to ISO 6722-1 5.22 (UN ECE-R 118.01)
Flames propagate vertically on bundled cables	According to BS4066-3, DIN EN 50266-2-5, According to IEC 60332-3-25 D	Impervious to smoke	According to BS 6853 Appendix D, in accordance with EN 50268-2, According to IEC 61034-2
Corrosiveness of fumes	to IEC 60754-2	Hydrogen halide content	According to EN-50267-2-1, According to IEC 60754-1
Poisonous gases	According to BS 6853 Appendix B	Fluorine content	According to EN 60684-2 Section 45.2
Multi-wire metallic data and control cable	According to EN50288-2-2	Connector standard	IEC 61076-2-101
Certificate no. (cULus)	E316369		

Cable structure

Strands	7	Cross-section	2*2*AWG 22/7 - 2*2*0.36 mm²
Insulation cross-section	1.95 mm	Shielding	SF/UTP
Material sheath	Radox GKW S	Sheath diameter, min.	6.95 mm
Sheath diameter, max.	7.55 mm	Sheathing colour	black

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)

Mechanical and material properties of cable

Min. bending radius, repetitive	6 *diameter	Abrasion resistance	very good
Resistance to oils	in accordance with EN 50306-3	Halogen	halogen-free, according to IEC 60754-2
Corrosiveness of fumes	to IEC 60754-2	Impervious to smoke	According to BS 6853 Appendix D, in accordance with EN 50268-2, According to IEC 61034-2

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Technical data

plug

Connector left	M12 D-code – IP 67 angled pin	Connector right	Open

Classifications

ETIM 3.0	EC000830	ETIM 4.0	EC000830
ETIM 5.0	EC000830	ETIM 6.0	EC002599
eClass 6.2	27-06-91-90	eClass 7.1	27-06-91-90
eClass 8.1	27-06-91-90	eClass 9.0	27-06-03-08
eClass 9.1	27-06-03-08		

Approvals

Approvals	

ROHS	Conform

Downloads

Brochure/Catalogue	CAT 9 IETH 15/16 EN
	CAT 8 SAI 15/16 EN
	FL FIELDWIRING EN
	PI PROFINET CABLING EN
Engineering Data	WSCAD
User Documentation	MAN IE GUIDE DE
	MAN IE GUIDE EN

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Drawings

Detailed drawing

	M12
yellow	1
white	2
orange	3
blue	4
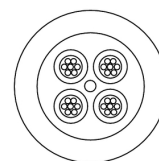
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Accessories

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	Order No.	Version	GTIN (EAN)	Qty.
Screwty- M12	1900000000	Tools, Cable gland tool for moulded M12 lines	4032248375868	1 pc(s).
Screwty Set	1910000000	Tools, Bolting tool	4032248436842	1 pc(s).

Tool

Tools for stripping the sheathing from uncut power lines and outlet lines, plus screwdrivers for installing Pick-to-Light components.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
Screwty-M12-DM	1900001000	Tools, Cable gland tool for moulded M12 lines	4032248436408	1 pc(s).
Screwty Set - DM	1920000000	Tools, Bolting tool	4032248436859	1 pc(s).

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Accessories

Blank

TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are five different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Pre-attachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the SMark laser printer, PrintJet ADVANCED, plotter, MC-Mobilo or the STI pen.

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-Ink or STI pen in connection with CLI T sleeves

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
TM-I 12 MC NE GE	1718411687	TM-I, Insert markers, 12 x 4 mm, yellow	4008190348984	320 pc(s).

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
TM-I 18 MC	1718431687	TM-I, Insert markers, 18 x 4	4008190349028	320 pc(s).
NE GE		mm, yellow		

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