

**Industrial Ethernet
IE-C5DB4WE0020MCSA20-E**

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Germany
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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

Type	IE-C5DB4WE0020MCSA20-E
Order No.	1220310020
Version	System cable, M12 D-code – IP 67 straight pin, RJ45 IP 20 no tools needed, Cat.5 (ISO/IEC 11801), Radox GKW S, 2 m
GTIN (EAN)	4050118214734
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	2 m	Length (inches)	0.079 inch
Net weight	162 g	Insulation cross-section	1.58 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			

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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, IEC 60603-7-51

Cable structure

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

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801)
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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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plug

Connector left	M12 D-code - IP 67 straight pin	Connector right	RJ45 IP 20 no tools needed
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Classifications

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

ROHS	Conform
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Downloads

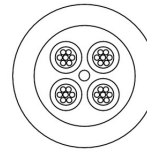
Brochure/Catalogue	FL FIELDWIRING EN PI PROFINET CABLING EN
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

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Drawings**Detailed drawing**

RJ45		M12
1	yellow	1
3	white	2
2	orange	3
6	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).

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

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TM HF 12 mm



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
TM 4/12 HF/ HB	1719840000	TM, Socket x 11.4 mm, Polyethylene LD, Colour code: Transparent, Conductor O.D.: 6 - 10 mm	4008190353193	500 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).