

**Industrial Ethernet
IE-C5DB4WE0100MCSA20-E**

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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-C5DB4WE0100MCSA20-E
Order No.	1220310100
Version	System cable, M12 D-code – IP 67 straight pin, RJ45 IP 20 no tools needed, Cat.5 (ISO/IEC 11801), Radox GKW S, 10 m
GTIN (EAN)	4050118357509
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	10 m	Length (inches)	0.394 inch
Net weight	450 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

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		

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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Technical data**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	ETIM 7.0	EC002599
eClass 9.0	27-06-03-08	eClass 9.1	27-06-03-08
eClass 10.0	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

