

IE-C6GB8BV0100XCSXCS-X

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Assembled IE cables, railway cable, Cat.7, violet, M12

General ordering data

Version	System cable, M12 X-type IP 67 straight male, M12 X-type IP 67 straight male, Cat. 6, Polyolefine, molecularly interlinked, 10 m
Order No.	3174630100
Type	IE-C6GB8BV0100XCSXCS-X
GTIN (EAN)	4099987855846
Qty.	1 items

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Technical data

Dimensions and weights

Length	10 m	Length (inches)	393.7008 inch
Net weight	350 g		

Temperatures

Storage temperature	Operating temperature	-40 °C...80 °C
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Cable specific standards

Fluorine content	According to EN-50267-2-1	Flames propagate vertically on bundled cables	EN 60332-3-25, According to UL1685, 12 (FT4 exp.)
Corrosiveness of fumes	EN 50267-2-2	Fire safety for railway vehicles	According to EN 45545, HL1 - HL3, NFPA 130
Impervious to smoke	According to IEC 61034-2	Poisonous gases	EN 50305

Electrical properties

Insulation resistance	≥ 100 MΩ
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General standards

Connector standard	IEC 61076-2-109
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Cable structure

Strands	7	Sheathing colour	violet
Cross-section	4*2*AWG24/7 - 4*2*0.2 mm ²	Shielding	S/FTP
Number of wires	8	Insulation cross-section	1.45 mm
Insulation	PE	Sheath diameter, max.	8.3 mm
Sheath diameter, min.	7.9 mm	Material sheath	Polyolefine, molecularly interlinked
Wire pair shielding	Plastic foil	Colour coding	white / orange, orange, white / green, green, white / brown, brown, white / blue, blue

Electrical properties of cable

Rated voltage (AC)	50 V	Rated voltage (DC)	60 V
Insulation resistance	≥ 100 MΩ	Category	Cat. 6

Mechanical and material properties of cable

Resistance to oils	in accordance with IEC 60811:404	Halogen	No
Min. bending radius, repetitive	6 *diameter	Abrasion resistance	very good
Resistance to spread of flame	in accordance with IEC 60332-1-2	Corrosiveness of fumes	EN 50267-2-2
Impervious to smoke	According to IEC 61034-2		

Plug, left

Plug left	M12, X-coded, Number of poles: 8, IP67, male
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Technical data

contact, straight, plug,
 Plastic, shielded

Plug, right

Plug right
 M12, X-coded, Number
 of poles: 8, IP67, male
 contact, straight, plug,
 Plastic, shielded

Classifications

ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

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Drawings

Wiring

M12	1	White, Orange	1	M12
	2	Orange	2	
	3	White, Green	3	
	4	Green	4	
	5	White, Brown	5	
	6	Brown	6	
	7	White, Blue	7	
	8	Blue	8	

Pinning

