

**IE-C5DB4BB0050MCAA70-X****Weidmüller Interface GmbH & Co. KG**

Klingenbergsstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



Assembled IE cables, railway cable, Cat. 5, PUR, blue,  
M12 straight pin and RJ45 plug, no tools required, IP20

**General ordering data**

Version	System cable, M12 D-code – IP 67 angled pin, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), Polyolefine, 5 m
Order No.	<a href="#">2901280050</a>
Type	IE-C5DB4BB0050MCAA70-X
GTIN (EAN)	4099987794787
Qty.	1 items

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## Technical data

## Dimensions and weights

Length	5 m	Length (inches)	196.8504 inch
Net weight	900 g		

## Temperatures

Storage temperature	Operating temperature	85 °C...-30 °C
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## Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

## Cable specific standards

Flames propagate vertically on bundled cables	EN 60332-3-25	Hydrogen halide content	According to EN-50267-2-1, According to EN 60684-2 Section 45.2
Corrosiveness of fumes	EN 50267-2-2	Fire safety for railway vehicles	DIN EN 45545-2, NFPA 130
Impervious to smoke	EN 61034-2	Poisonous gases	EN 50305

## Electrical properties

Nominal voltage	125 V
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## General standards

Connector standard	IEC 61076-2-101
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## Cable structure

Wire connection cross section AWG, max.	AWG 22	Sheathing colour	blue
Cross-section	4*AWG 22/7 - 0.32 mm <sup>2</sup>	Shielding	SF/UTP
Number of wires	4	Insulation cross-section	1.4 mm
Insulation	PE	Sheath diameter, max.	6.8 mm
Sheath diameter, min.	6.4 mm	Material sheath	Polyolefine
Copper diameter	0.75 mm	Wire pair shielding	Plastic foil
Colour coding	yellow, white, orange, blue	Wire material	tinned copper
Sheathing material thickness	1 mm		

## Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Coupling attenuation up to 1000 MHz	90 dB
Coupling resistance at 10 MHz / m	8.00 mΩ	Shield attenuation up to 1000 MHz	60.00 dB
Test voltage: wire-wire-shield	1000 Veff, 50 Hz, 1 min		

## Mechanical and material properties of cable

Resistance to oils	in accordance with IEC 60811:404	Halogen	No
Min. bending radius, repetitive	6 *diameter	Min. bending radius, once only	5 x cable diameter

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**Technical data**

Resistance to spread of flame	in accordance with IEC 60332-1-2	Corrosiveness of fumes	EN 50267-2-2
Impervious to smoke	EN 61034-2		

**Plug, left**

Plug left	connector, M12, D-coded, Number of poles: 4, IP67, male contact, angled 0°, shielded
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**Plug, right**

Plug right	connector, RJ45, Number of poles: 4, IP20, male contact, straight, Zinc diecast, shielded
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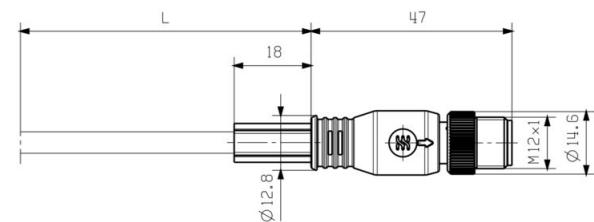
**Classifications**

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		

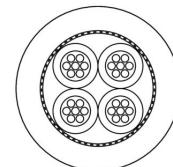
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**Drawings****Dimensioned drawing****Wiring diagram**

RJ45		M12
1	yellow	1
3	white	2
2	orange	3
6	blue	4

**Detailed drawing**

## 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	SCREWTY SET	Version
Order No.	<a href="#">1910000000</a>	Cable gland tool for M8, M12 lines and connectors
GTIN (EAN)	4032248436842	
Qty.	1 ST	

### 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 SET -DM	Version
Order No.	<a href="#">1920000000</a>	Cable gland tool for M8, M12 lines and connectors
GTIN (EAN)	4032248436859	
Qty.	1 ST	

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## Accessories

## Screwy® cable gland tool



The ideal tool for any application  
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## General ordering data

Type	SCREWTY-M12	Version
Order No.	<a href="#">1900000000</a>	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248375868	
Qty.	1 ST	

## Screwy® cable gland tool with torque function



The ideal tool for any application  
Screwy® 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
Order No.	<a href="#">1900001000</a>	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248436408	
Qty.	1 ST	

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## Accessories

## 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.	<a href="#">1719840000</a>	TM, Socket x 11.4 mm, Polyethylene LD, Colour: Transparent,
GTIN (EAN)	4008190353193	Conductor O.D.: 6 - 10 mm
Qty.	500 ST	

## 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.	<a href="#">1719850000</a>	TM, Socket x 11.4 mm, Polyethylene LD, Colour: Transparent,
GTIN (EAN)	4008190353209	Conductor O.D.: 6 - 10 mm
Qty.	500 ST	