

IE-C5IT4UG0020B2EB2E-X**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Assembled IE cables, PROFINET, Cat. 5, PUR, green, torsion-resistant, PushPull moulded plug-in connector according to IEC 61076-3-117 ver.14

General ordering data

Version	Torsion cable, RJ45 IP 67 PushPull moulded V14 metal, RJ45 IP 67 PushPull moulded V14 metal, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 2 m
Order No.	1312690020
Type	IE-C5IT4UG0020B2EB2E-X
GTIN (EAN)	4050118116441
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	2 m	Length (inches)	78.74 inch
Net weight	203.28 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...80 °C
Installation temperature	-40 °C...80 °C		

Cable specific standards

Standard, assembly	UL Style 21161	Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)
Standard, shielding material	DIN EN 13602 Cu-ETP-A..B	Standard, wire material	DIN EN 13602 Cu-ETP-A

General standards

Connector standard	IEC 61076-3-117 Var. 14
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Standards

Connector standard	IEC 61076-3-117 Var. 14	Standard, assembly	UL Style 21161
Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B
Standard, wire material	DIN EN 13602 Cu-ETP-A		

Cable structure

Arrangement of wire cores	Star-quad	Colour sequence or wires - wire pairs	white, yellow, blue, orange
Complete shielding	Plastic foil, Shielding braid made from copper wiring	Cross-section	4*AWG 22/19 - 0.38 mm ²
Diameter of inner sheathing	4.5 mm	Insulation	PE
Insulation cross-section	1.5 mm	Material sheath	PUR
Number of wires	4	Overlap of shielding braid	90 %
Sheath diameter, max.	6.7 mm	Sheath diameter, min.	6.3 mm
Sheathing colour	green (RAL 6018)	Sheathing material thickness	1 mm
Shielding	S/UTP	Shielding braid thickness	0.13 mm
Standard designations	02YS C11Y 1X4X0.75/1.5-100 LI VZN FRNC GN	Strands	19
Wire core insulation thickness	0.38 mm	Wire material	Stranded tin-plated copper wire

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Characteristic impedance	100 ± 15 Ω at 1–100 MHz
Loop resistance	120 Ω/km	Signal propagation time	4.8 ns/m
Test voltage: wire-wire-shield	700 V _{rms} , 50 Hz, 1 min		

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Technical data**Mechanical and material properties of cable**

Abrasion resistance	very good	Fire propagation	No
Halogen	halogen-free, according to IEC 60754-2	Min. bending radius, once only	5 x cable diameter
Min. bending radius, repetitive	10 x cable diameter	Resistance to oils	in accordance with IEC 60811-2-1
Resistance to spread of flame	in accordance with IEC 60332-1	Silicone-free	Yes
Torsion cycles	1 mill.	Torsion resistance	180 °/m
UV-resistant	Yes		

Plug, left

Plug left	RJ45, IP67, male contact, straight, PushPull V14 moulded, plug, Zinc diecast, shielded
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Plug, right

Plug right	RJ45, IP67, male contact, straight, PushPull V14 moulded, plug, Zinc diecast, shielded
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Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 9.0	27-06-03-08
ECLASS 9.1	27-06-03-08	ECLASS 10.0	27-06-03-08
ECLASS 11.0	27-06-03-08	ECLASS 12.0	27-06-03-08
ECLASS 13.0	27-06-03-08	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	PROFINET Manufacturer's Declaration
Engineering Data	CAD data – STEP
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN

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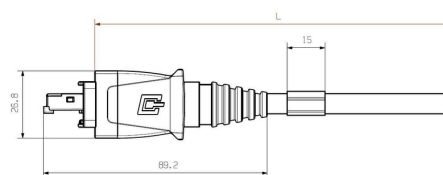
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www.weidmueller.com**Drawings****Wiring**

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

Dimensioned drawing

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www.weidmueller.com**Accessories****Blank**

TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various 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 PrintJet CONNECT, plotter 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	TM-I 18 MC NE WS	Version
Order No.	1718431044	TM-I, Insert markers, 18 x 4 mm, white
GTIN (EAN)	4008190349011	
Qty.	320 pc(s).	

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General ordering data

Type	TM-I 12 MC NE WS	Version
Order No.	1718411044	TM-I, Insert markers, 12 x 4 mm, white
GTIN (EAN)	4008190348977	
Qty.	320 pc(s).	