

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 items

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Technical data

Approvals

ROHS Conform

Dimensions and weights

Length	2 m	Length (inches)	78.7402 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		

Environmental Product Compliance

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

Cable specific standards

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

General standards

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

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

Cable structure

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

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Electrical properties of cable

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

Mechanical and material properties of cable

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

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 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		

Drawings

Wiring

Dimensioned drawing

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

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 12 MC NE WS	Version
Order No.	1718411044	TM-I, Insert markers, 12 x 4 mm, white
GTIN (EAN)	4008190348977	
Qty.	320 ST	
Type	TM-I 18 MC NE WS	Version
Order No.	1718431044	TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, white
GTIN (EAN)	4008190349011	
Qty.	320 ST	