

**IE-C5IT4UG0070B2EB2E-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, 7 m
Order No.	<a href="#">1312690070</a>
Type	IE-C5IT4UG0070B2EB2E-X
GTIN (EAN)	4050118116502
Qty.	1 Stück

Erstellungs-Datum May 16, 2023 8:50:52 AM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Dimensions and weights

Length	7 m	Length (inches)	275.591 inch
Net weight	500 g		

### Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...80 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	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 <sup>2</sup>
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 <sub>rms</sub> , 50 Hz, 1 min		

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### 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

Plug	Cable side	left
	Version of contact face	RJ45
	Protection degree (IP)	IP67
	Gender of contact	male contact
	Outlet direction	straight
	Housing version	PushPull V14 moulded
	Version of connector	plug
	Housing main material	Zinc diecast
	Status indicator available	No
	Shielding available	Yes
	Cable side	right
	Version of contact face	RJ45
	Protection degree (IP)	IP67
	Gender of contact	male contact
	Outlet direction	straight
	Housing version	PushPull V14 moulded
	Version of connector	plug
	Housing main material	Zinc diecast
	Status indicator available	No
	Shielding available	Yes
Plug left	RJ45, IP67, male contact, straight, PushPull V14 moulded, plug, Zinc diecast, shielded	
Plug right	RJ45, IP67, male contact, straight, PushPull V14 moulded, plug, Zinc diecast, shielded	

### Plug, left

Connector left	Plug left	RJ45, IP67, male contact, straight, PushPull V14 moulded, plug, Zinc diecast, shielded
	RJ45 IP 67 PushPull moulded V14 metal	

### Plug, right

Connector right	Plug right	RJ45, IP67, male contact, straight, PushPull V14 moulded, plug, Zinc diecast, shielded
	RJ45 IP 67 PushPull moulded V14 metal	

### Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	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

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### Environmental Product Compliance

REACH SVHC	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1
SCIP	9ba9ceba-e039-40fa-9fdf-90f6be2d56d5

### Approvals

ROHS	Conform
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### Downloads

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

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**Zeichnungen**

**Wiring**

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

**Dimensioned drawing**

