

IE-C5IT4UG0050B2EB2E-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, 5 m
Order No.	1312690050
Type	IE-C5IT4UG0050B2EB2E-X
GTIN (EAN)	4050118116526
Qty.	1 pc(s).

Creation date March 13, 2023 1:23:15 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Length	5 m	Length (inches)	196.85 inch
Net weight	402 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 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

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
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Plug, left

Connector left	RJ45 IP 67 PushPull moulded V14 metal
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Plug, right

Connector right	RJ45 IP 67 PushPull moulded V14 metal
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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

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	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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Data sheet**IE-C5IT4UG0050B2EB2E-X****Weidmüller Interface GmbH & Co. KG**
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Germanywww.weidmueller.com**Drawings****Wiring**

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

Dimensioned drawing