

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).

Creation date March 23, 2021 3:31:01 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Length	2 m	Length (inches)	78.74 inch
Net weight	231 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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

Electrical properties

Insulation strength	500,000 Ω
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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	85 %
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

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Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Characteristic impedance	100 ± 15 Ω at 1–100 MHz
Insulation strength	500,000 Ω	Loop resistance	120 Ω/km
Signal propagation time	4.8 ns/m	Test voltage: wire-wire-shield	700 V _{rms} , 50 Hz, 1 min

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

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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plug

Connector left	RJ45 IP 67 PushPull moulded V14 metal	Connector right	RJ45 IP 67 PushPull moulded V14 metal
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Classifications

ETIM 6.0	EC002599	ETIM 7.0	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

Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	PROFINET Manufacturer's Declaration
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

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Drawings

Wiring

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