

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
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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