

**Industrial Ethernet  
IE-C5IT4UG0100B2EB2E-X**

**Weidmüller Interface GmbH & Co. KG**  
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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**

Type	IE-C5IT4UG0100B2EB2E-X
Order No.	<a href="#">1312690100</a>
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, 10 m
GTIN (EAN)	4050118116465
Qty.	1 pc(s).

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## Technische Daten

### Dimensions and weights

Length	10 m	Net weight	0 g
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### Temperatures

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

### Electrical properties

Insulation resistance	500.000 Ω
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### Standards

Connector standard	IEC 61076-3-107	Standard, assembly	UL Style 21 161
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, shielding material	DIN EN 13602 Cu-ETP-A..B		

### Cable structure

Wire material	Stranded tin-plated copper wire	Standard designations	02YS C11Y 1X4X0.75/1.5-100 LI VZN FRNC GN
Strands	19	Cross-section	4* AWG 22/19 - 0.38 mm <sup>2</sup>
Insulation	PE	Insulation cross-section	1.5 mm
Wire core insulation thickness	0.38 mm	No. of wires	4
Arrangement of wire cores	Star-quad	Colour sequence or wires - wire pairs	white, yellow, blue, orange
Diameter of inner sheathing	4.5 mm	Shielding	S/UTP
Complete shielding	Plastic foil, Shielding braid made from copper wiring	Shielding braid thickness	0.13 mm
Overlap of shielding braid	85 %	Material sheath	PUR
Sheath diameter, min.	6.3 mm	Sheath diameter, max.	6.7 mm
Sheathing material thickness	1 mm	Sheathing colour	green (RAL 6018)

### Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Test voltage: wire-wire-shield, at RMS 50Hz, 1 min.	700 V
Characteristic impedance	100 ± 15 Ω at 1-100 MHz	Loop resistance	120 Ω/km
Insulation resistance	500.000 Ω	Signal propagation time	4.8 ns/m

### Mechanical and material properties of cable

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

Erstellungs-Datum December 20, 2013 8:22:32 AM CET

**Datenblatt**

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**Technische Daten**

**plug**

Version connector left	RJ45 IP 67 PushPull moulded V14 metal	Version connector right	RJ45 IP 67 PushPull moulded V14 metal
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**Classifications**

eClass 6.2	27-06-91-90
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**Approvals**

ROHS	Conform
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**Zeichnungen****Wiring**

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