

## IE-C5IT4UG-500

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



Bulk stock, copper cable, PROFINET, type C, PUR, flexible, green, twisted

### General ordering data

Version	Torsion cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 500 m
Order No.	<a href="#">2763520000</a>
Type	IE-C5IT4UG-500
GTIN (EAN)	4064675031017
Qty.	1 items
Packaging	on plywood reel

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## Technical data

## Approvals

ROHS	Conform
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## Dimensions and weights

Length	500 m	Length (inches)	19685.0394 inch
Net weight	31400 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%

## Technical specifications for cable

Sheathing colour	green (RAL 6018)	Resistance to oils	in accordance with IEC 60811-2-1
Number of wires	4	Shielded	Yes
Halogen	halogen-free, according to IEC 60754-2	Insulation	PE
Resistance to spread of flame	in accordance with IEC 60332-1	Test voltage: wire-wire-shield	700 Vrms, 50 Hz, 1 min
Torsion resistance	180 °/m	Number of poles	4

## 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
Impervious to smoke	No		

## 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
Impervious to smoke	No		

## 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 <sup>2</sup>
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

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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

### Electrical properties of cable

Insulation resistance	500 MΩ	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.	Impervious to smoke	No

### Classifications

ETIM 8.0	EC003249	ETIM 9.0	EC003249
ETIM 10.0	EC003249	ECLASS 14.0	27-06-18-01
ECLASS 15.0	27-06-18-01		

**Drawings**

**Detailed drawing**

