

IE-C5IT4UG-500**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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.	2763520000
Type	IE-C5IT4UG-500
GTIN (EAN)	4064675031017
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	500 m	Length (inches)	19,685.039 inch
Net weight	31,400 g		

Temperatures

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

Technical specifications for cable

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

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

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

Cable structure

Arrangement of wire cores	Star-quadr	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

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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 MΩ	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		

Classifications

ETIM 6.0	EC000830	ETIM 7.0	EC003249
ETIM 8.0	EC003249	ETIM 9.0	EC003249
ECLASS 9.0	27-06-18-05	ECLASS 9.1	27-06-90-90
ECLASS 10.0	27-06-18-01	ECLASS 11.0	27-06-18-01
ECLASS 12.0	27-06-18-01	ECLASS 13.0	27-06-18-01

Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	PROFINET Manufacturer's Declaration
Catalogues	Catalogues in PDF-format

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Drawings

Detailed drawing

