

IE-C5DD4UG0150A2DA2D-E**Weidmüller Interfaces GmbH & Co. KG**

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Assembled IE cables, PROFINET, Cat. 5, PUR, green, Incl.
protective cap

General ordering data

Version	Dragline cable, PROFINET, RJ45 IP 20 with protective cap, RJ45 IP 20 with protective cap, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 20 m
Order No.	1376510150
Type	IE-C5DD4UG0150A2DA2D-E
GTIN (EAN)	4050118179750
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	20 m	Length (inches)	787.402 inch
Net weight	979 g		

Temperatures

Storage temperature	-50 °C...70 °C	Operating temperature	-40 °C...70 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	70 °C
Installation temperature	-20 °C...60 °C		

Cable specific standards

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		

General standards

Connector standard	IEC 60603-7-5 1
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Standards

Connector standard	IEC 60603-7-5 1	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	Aluminium foil, Shielding braid made from copper wiring	Cross-section	4*AWG 22/7 - 0.32 mm ²
Diameter of inner sheathing	3.9 mm	Filler	As central element
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	0.9 mm	Shielding	SF/UTP
Shielding braid thickness	0.13 mm	Standard designations	2YH(ST)C11Y 2x2x0.75/1,5-100 LI VZN GN FRNC
Strands	7	Wire core insulation thickness	0.38 mm
Wire material	Stranded tin-plated copper wire		

Electrical properties of cable

Capacity at 1 kHz	52 nF/km
Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)
Characteristic impedance	100 ± 15 Ω at 1-100 MHz
Deviation	40 ns/100m
Loop resistance	120 Ω/km
Operating voltage (UL rating)	Operating voltage 600 V
Operating voltage (UL rating)	600 V undefined

Creation date March 13, 2023 1:59:30 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Operating voltage, UL	600 V	
Resistance differential	3 %	
Signal propagation time	5.3 ns/m	
Speed	180 m/min	
Test voltage: wire-wire-shield	2000 V _{eff} , 50 Hz, 1 min	
Transfer impedance	20 mΩ/m at 10 MHz	

Mechanical and material properties of cable

Abrasion resistance	very good	Acceleration	4 m/s ²
Bending cycles	3 Mio	Fire propagation	No
Halogen	halogen-free, according to IEC 60754-2	Min. bending radius, once only	5 x cable diameter
Min. bending radius, repetitive	7.5 x cable diameter	Pulling force	≤ 150 N
Resistance to oils	in accordance with IEC 60811-2-1	Resistance to spread of flame	in accordance with IEC 60332-1
Silicone-free	Yes	Speed	180 m/min
UV-resistant	Yes		

Plug

Plug left	RJ45, IP20, male contact, straight, plug, with protective cap, Zinc diecast, shielded	Plug right	RJ45, IP20, male contact, straight, plug, with protective cap, Zinc diecast, shielded
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Plug, left

Connector left	RJ45 IP 20 with protective cap
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Plug, right

Connector right	RJ45 IP 20 with protective cap
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Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	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	ECLASS 12.0	27-06-03-08

Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	PROFINET Manufacturer's Declaration
Engineering Data	CAD data – STEP
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN

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Data sheet**IE-C5DD4UG0150A2DA2D-E****Weidmüller Interfaces GmbH & Co. KG**

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