

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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).

Creation date March 23, 2021 7:57:57 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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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
Installation temperature	-20 °C...60 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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		

Electrical properties

Insulation strength	500,000 Ω
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General standards

Connector standard	IEC 60603-7-51
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Standards

Connector standard	IEC 60603-7-51	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 - 0.36 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		

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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 $\pm$ 15 Ω at 1–100 MHz
Deviation	40 ns/100m
Insulation strength	500,000 Ω
Loop resistance	120 Ω /km
Operating voltage (UL rating)	Operating voltage 600 V
Operating voltage (UL rating)	600 V undefined
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 m Ω /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	$\leq$ 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, 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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plug

Connector left	RJ45 IP 20 with protective cap	Connector right	RJ45 IP 20 with protective cap
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Classifications

ETIM 6.0	EC002599	ETIM 7.0	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

Approvals

ROHS	Conform
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Technical data

Downloads

Approval/Certificate/Document of
Conformity[PROFINET Manufacturer's Declaration](#)

User Documentation

[MAN IE GUIDE DE](#)[MAN IE GUIDE EN](#)

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Drawings

Wiring

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