

**Industrial Ethernet
IE-C5DD4UG0100A20A20-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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Germany

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www.weidmueller.com



Assembled IE cables, PROFINET, Cat. 5, PUR, green, drag-chain compatible, RJ45

General ordering data

Type	IE-C5DD4UG0100A20A20-E
Order No.	1173030100
Version	Dragline cable, PROFINET, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 10 m
GTIN (EAN)	4032248985616
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Length	10 m	Net weight	671.5 g
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Temperatures

Operating temperature	-40 °C...+70 °C	Storage temperature	-50 °C...+70 °C
Installation temperature	-20 °C...+60 °C		

Electrical properties

Insulation resistance	500.000 Ω
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Standards

Connector standard	Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)
IEC 60603-7-51		
Standard, wire material	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B
DIN EN 13602 Cu-ETP-A		

Cable structure

Wire material	Standard designations	2YH(ST)C11Y 2x2x0.75/1.5-100 LI VZN GN FRNC
Stranded tin-plated copper wire	Cross-section	4*AWG 22/7 - 0.36 mm²
Strands	Insulation cross-section	1.5 mm
Insulation	No. of wires	4
Wire core insulation thickness	Colour sequence or wires - wire pairs	white, yellow, blue, orange
Arrangement of wire cores	Filler	As central element
Diameter of inner sheathing	Complete shielding	Aluminium foil, Shielding braid made from copper wiring
Shielding	Overlap of shielding braid	85 %
SF/UTP	Sheath diameter, min.	6.3 mm
Shielding braid thickness	Sheathing material thickness	0.9 mm
Material sheath		
Sheath diameter, max.		
Sheathing colour		
green (RAL 6018)		

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Operating voltage, UL	600 V
Test voltage: wire-wire-shield, at RMS 50Hz, 1 min.	2,000 V	Characteristic impedance	100 ± 15 Ω at 1-100 MHz
Loop resistance	120 Ω/km	Deviation	40 ns/100m
Resistance differential	3 %	Transfer impedance	20 mΩ/m at 10 MHz
Insulation resistance	500.000 Ω	Capacity at 1 kHz	52 nF/km
Signal propagation time	5.3 ns/m		

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Mechanical and material properties of cable

Bending cycles	3 Mio	Min. bending radius, once only	5 *diameter
Min. bending radius, repetitive	7.5 *diameter	Pulling force	≤ 150 N
Speed	180 m/min	Acceleration	4 m/s ²
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		

plug

Version connector left	RJ45 IP 20	Version connector right	RJ45 IP 20
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Classifications

eClass 6.2	27-06-03-90	eClass 7.1	27-06-91-90
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Approvals

Approvals



ROHS	Conform
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Zeichnungen

Wiring

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