Data sheet

IE-C5DD4UG0020B2EB2E-X

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

www.weidmueller.com



Assembled IE cables, PROFINET, Cat. 5, PUR, green, drag-chain compatible, PushPull moulded plug-in connector according to IEC 61076-3-117 ver.14

General ordering data

Version	Dragline cable, PROFINET, RJ45 IP 67 Push-Pull moulded V14 metal, RJ45 IP 67 PushPull moulded V14 metal, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 2 m
Order No.	1307610020
Type	IE-C5DD4UG0020B2EB2E-X
GTIN (EAN)	4050118109900
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Length	2 m	Length (inches)	78.7402 inch
Net weight	246 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

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, shielding material	DIN EN 13602 Cu-ETP-A..B		

General standards

Connector standard	IEC 61076-3-117 Var. 14

Standards

Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	Connector standard	IEC 61076-3-117 Var. 14
Standard, wire material	DIN EN 13602 Cu-ETP-A	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B

Cable structure

Strands	7	Sheath diameter	6.7 mm
Sheathing colour	green (RAL 6018)	Standard designations	2YH(ST)C11Y 2x2x0,75/1,5-100 LI VZN GN FRNC
Cross-section	4*AWG 22/7 - 0.32 mm²	Shielding	SF/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
Filler	As central element	Arrangement of wire cores	Star-quad
Wire core insulation thickness	0.38 mm	Complete shielding	Aluminium foil, Shielding braid made from copper wiring
Overlap of shielding braid	85 %	Wire material	Stranded tin-plated copper wire
Diameter of inner sheathing	3.9 mm	Sheathing material thickness	0.9 mm
Colour sequence or wires - wire pairs	white, yellow, blue, orange	Shielding braid thickness	0.13 mm

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Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Speed	180 m/min
Capacity at 1 kHz	52 nF/km	Loop resistance	120 Ω/km
Signal propagation time	5.3 ns/m	Test voltage: wire-wire-shield	2000 Veff, 50 Hz, 1 min
Resistance differential	3 %	Operating voltage, UL	600 V
Delay skew	40 ns/100m	Operating voltage (UL rating)	600 V
Transfer impedance	20 mΩ/m at 10 MHz	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	Pulling force	≤ 150 N
Halogen	halogen-free, according to IEC 60754-2	Acceleration	4 m/s²
Min. bending radius, repetitive	7.5 x cable diameter	Min. bending radius, once only	5 x cable diameter
Abrasion resistance	very good	Bending cycles	3 Mio
Resistance to spread of flame	in accordance with IEC 60332-1	Speed	180 m/min
Fire propagation	No		

Plug, left

Plug left	RJ45, IP67, male contact, straight, PushPull V14 moulded, plug, Zinc diecast, shielded

Plug, right

Plug right	RJ45, IP67, male contact, straight, PushPull V14 moulded, plug, Zinc diecast, shielded

Classifications

ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

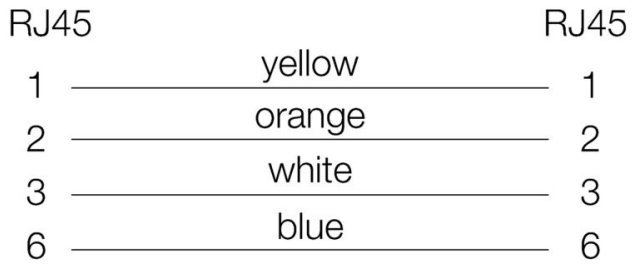
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Drawings

Wiring



Dimensioned drawing