

IE-C5DD4UG0025A60A60-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**General ordering data**

Version	Dragline cable, PROFINET, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 2.5 m
Order No.	2047310025
Type	IE-C5DD4UG0025A60A60-E
GTIN (EAN)	4050118411263
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	2.5 m	Length (inches)	98.425 inch
Net weight	100 g		

Temperatures

Storage temperature	-50 °C...70 °C	Operating temperature	-40 °C...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		

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		

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	Delay skew	40 ns/100m
Loop resistance	120 Ω/km	Operating voltage (UL rating)	600 V
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

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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, left

Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded
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Plug, right

Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded
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Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	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
ECLASS 13.0	27-06-03-08	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
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ROHS	Conform
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Environmental Product Compliance

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

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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
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN PI PROFINET CABLING EN