

IE-C5ED8UG-MW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Bulk stock, copper cable, flexible, 4 x 2 x AWG 26/7, Cat. 5, PUR, drag-chain compatible

General ordering data

Version	Dragline cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, Products sold by meter, from 110 m
Order No.	8936390000
Type	IE-C5ED8UG-MW
GTIN (EAN)	4032248713646
Qty.	1 m
Delivery status	This article will no longer be available in the future.
Available until	2020-10-31

Creation date March 29, 2021 11:48:33 PM CEST

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

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Technical data**Dimensions and weights**

Net weight	54.2 g
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Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...80 °C
Installation temperature	-20 °C...60 °C		

Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	5 Mio
Halogen	halogen-free, according to IEC 60754-2	Resistance to oils	in accordance with IEC 60811-2-1
Resistance to spread of flame	in accordance with IEC 60332-1	Sheathing colour	green (RAL 6018)
Speed	180 m/min	Test voltage: wire-wire-shield	700 V _{rms} , 50 Hz, 1 min
Torsion resistance	30 °/m		

Cable specific standards

Impervious to smoke	According to IEC 61034-2	Standard, assembly	UL-Style 20963 (80°C/30V)
Standard, insulating material	DIN EN 50290-2-25 (HD 624.5)	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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Standards

Impervious to smoke	According to IEC 61034-2	Standard, assembly	UL-Style 20963 (80°C/30V)
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Standard, wire material	DIN EN 13602 Cu-ETP-A		

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Technical data

Cable structure

Arrangement of wire cores		Colour sequence or wires - wire pairs	white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown
	Twisted pair		
Complete shielding	Plastic foil, Aluminium foil, Shielding braid made from copper wiring	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
Diameter of wire pair		Filler	As central element, Between the individual wire pairs
	1.9 mm		
Insulation cross-section	0.95 mm	Material sheath	PUR
Overlap of shielding braid	90 %	Sheath diameter, max.	6.8 mm
Sheath diameter, min.	6.3 mm	Sheathing colour	green (RAL 6018)
Sheathing material thickness	0.85 mm	Shielding	SF/UTP
Shielding braid thickness		Standard designations	LI9Y(ST)C11Y 4X2X0.14 VZN GN, SF/UTP
	0.1 mm		
Strands	7	Wire core insulation thickness	0.23 mm
Wire material	Stranded tin-plated copper wire		

Electrical properties of cable

Capacity at 800 Hz	50 nF/km		
Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)		
Characteristic impedance	100 ± 5 Ω at 100MHz		
Deviation	40 ns/100m		
Insulation strength	500,000 Ω		
Loop resistance	270 Ω/km		
Operating voltage (UL rating)	Operating voltage	30 V	
Operating voltage (UL rating)	30 V undefined		
Operating voltage, UL	30 V		
Resistance differential	2 %		
Signal propagation time	5.55 ns/m		
Speed	180 m/min		
Test voltage: wire-wire-shield	700 V _{rms} , 50 Hz, 1 min		
Transfer impedance	100 mΩ/m at 10 MHz		

Mechanical and material properties of cable

Abrasion resistance	very good	Acceleration	5 m/s ²
Bending cycles	5 Mio	Fire propagation	No
Halogen	halogen-free, according to IEC 60754-2	Impervious to smoke	According to IEC 61034-2
Min. bending radius, once only	4 x cable diameter	Min. bending radius, repetitive	7.5 x cable diameter
Pulling force	≤ 100 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	Torsion resistance	30 °/m
UV-resistant	Yes		

Classifications

ETIM 6.0	EC000830	ETIM 7.0	EC003249
ECLASS 9.0	27-06-18-05	ECLASS 9.1	27-06-90-90
ECLASS 10.0	27-06-18-01	ECLASS 11.0	27-06-18-01

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Technical data

Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	PROFINET Manufacturer's Declaration
Engineering Data	WSCAD
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

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Drawings

Detailed drawing

