

IE-C5ED8UG-500**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, 500 m
Order No.	2763490000
Type	IE-C5ED8UG-500
GTIN (EAN)	4064675030980
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	500 m	Length (inches)	19,685.039 inch
Net weight	29,180 g		

Temperatures

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

Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	5 Mio
Halogen	halogen-free, according to IEC 60754-2	Number of poles	8
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		

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		

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
Filler	As central element, Between the individual wire pairs	Insulation cross-section	0.95 mm
Material sheath	PUR	Overlap of shielding braid	90 %
Sheath diameter, max.	6.8 mm	Sheath diameter, min.	6.5 mm
Sheathing colour	green (RAL 6018)	Sheathing material thickness	0.85 mm
Shielding	SF/UTP	Shielding braid thickness	0.1 mm
Standard designations	LI9Y(ST)C11Y 4X2X0.14 VZN GN, SF/UTP	Strands	7
Wire core insulation thickness	0.23 mm	Wire material	Stranded tin-plated copper wire

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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 ± 15 Ω at 1–100 MHz	Delay skew	40 ns/100m
Loop resistance	290 Ω/km	Operating voltage (UL rating)	30 V
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, repetitive	60 mm	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
ETIM 8.0	EC003249	ETIM 9.0	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
ECLASS 12.0	27-06-18-01	ECLASS 13.0	27-06-18-01

Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	PROFINET Manufacturer's Declaration
Catalogues	Catalogues in PDF-format

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Drawings

Detailed drawing

