

## IE-C5ED8UG0450A40A40-E

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

[www.weidmueller.com](http://www.weidmueller.com)



### General ordering data

Version	Dragline cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 45 m
Order No.	<a href="#">1345030450</a>
Type	IE-C5ED8UG0450A40A40-E
GTIN (EAN)	4050118434651
Qty.	1 pc(s).

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Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Length	45 m	Length (inches)	1,771.654 inch
Net weight	2,500 g		

## Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...80 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	80 °C
Installation temperature	-40 °C...80 °C		

## 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		

## Cable structure

Arrangement of wire cores	Twisted pair	Colour sequence or wires - wire pairs	white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown
Complete shielding	Plastic foil, Aluminium foil, Shielding braid made from copper wiring	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup>
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

## 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
Deviation	40 ns/100m
Loop resistance	290 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 <sub>rms</sub> , 50 Hz, 1 min
Transfer impedance	100 mΩ/m at 10 MHz

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## Mechanical and material properties of cable

Abrasion resistance	very good	Acceleration	5 m/s <sup>2</sup>
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		

## Plug

Plug left	RJ45, IP20, male contact, straight, Plastic, shielded	Plug right	RJ45, IP20, male contact, straight, Plastic, shielded
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## Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	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

## Approvals

ROHS	Conform
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## Downloads

Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>