

## IE-C6ES8VG0250A40A40-E

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

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



### General ordering data

Version	System cable, RJ45 IP 20, RJ45 IP 20, Cat.6A / Class EA (ISO/IEC 11801 2010), PVC, 25 m
Order No.	<a href="#">8903620250</a>
Type	IE-C6ES8VG0250A40A40-E
GTIN (EAN)	4032248664818
Qty.	1 pc(s).

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Catalogue status 24.11.2023 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Length	25 m	Length (inches)	984.252 inch
Net weight	1,218 g		

## Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...80 °C
Installation temperature	0 °C...50 °C		

## Cable specific standards

Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007	Standard, assembly	UL-Style 2879 (80°C/30V)
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		

## General standards

Connector standard	IEC 60603-7-51
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## Cable structure

Arrangement of wire cores	Twisted pair	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
Complete shielding	Shielding braid made from copper wiring	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup>
Insulation	PE	Insulation cross-section	0.98 mm
Material sheath	PVC	Number of wires	8
Overlap of shielding braid	70 %	Sheath diameter, max.	6.5 mm
Sheath diameter, min.	6.1 mm	Sheathing colour	green (RAL 6018)
Sheathing material thickness	0.5 mm	Shielding	S/FTP
Shielding braid thickness	0.1 mm	Standard designations	S/FTP, LI02YSCY 4X2X0.15 PIMF GN
Strands	7	Wire core insulation thickness	0.25 mm
Wire material	Stranded tin-plated copper wire	Wire pair shielding	Plastic foil, Aluminium foil

## Electrical properties of cable

Capacity at 1 kHz	45 nF/km	Category	Cat.6A / Class EA (ISO/IEC 11801 2010)
Characteristic impedance	100 ± 5 Ω at 100MHz	Delay skew	3 ns/100m
Loop resistance	290 Ω/km	Resistance differential	3 %
Shield attenuation	80 dB at 600 Mhz	Signal propagation time	5.13 ns/m
Test voltage: wire-wire-shield	700 V AC	Transfer impedance	15 mΩ/m at 1 MHz, 10 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz

## Mechanical and material properties of cable

Abrasion resistance	good	Halogen	Yes
Min. bending radius, once only	5 x cable diameter	Min. bending radius, repetitive	10 x cable diameter
Resistance to spread of flame	in accordance with IEC 60332-1		

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## Technical data

## Plug

Plug	Cable side	left
	Version of contact face	RJ45
	Protection degree (IP)	IP20
	Gender of contact	male contact
	Outlet direction	straight
	Housing main material	Plastic
	Status indicator available	No
	Shielding available	Yes
	Cable side	right
	Version of contact face	RJ45
	Protection degree (IP)	IP20
	Gender of contact	male contact
	Outlet direction	straight
	Housing main material	Plastic
	Status indicator available	No
	Shielding available	Yes
Plug left	RJ45, IP20, male contact, straight, Plastic, shielded	
Plug right	RJ45, IP20, male contact, straight, Plastic, shielded	

## Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	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	27060308

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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## Approvals

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>