

IE-C6ES8UG0120A40A40-E**Weidmüller Interfaces GmbH & Co. KG**

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Assembled IE cables, patch cable Cabinet Line, various colours

General ordering data

Version	System cable, RJ45 IP 20, RJ45 IP 20, <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010), PUR, 12 m
Order No.	8909650120
Type	IE-C6ES8UG0120A40A40-E
GTIN (EAN)	4050118235883
Qty.	1 Stück

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Technische Daten

Dimensions and weights

Length	12 m	Length (inches)	472.441 inch
Net weight	571 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	-15 °C...60 °C		

Cable specific standards

Corrosiveness of fumes	to IEC 60754-2	Generic communication cable facilities	EN 50173-1:2007, ISO / IEC 11801:2002
Standard, assembly	UL-Style 20963 (80°C/30V)		

Standards

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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 ²
Insulation	PE	Insulation cross-section	1.03 mm
Material sheath	PUR	Sheath diameter, max.	6.5 mm
Sheath diameter, min.	6.1 mm	Sheathing colour	green (RAL 6018)
Shielding	S/FTP	Shielding braid thickness	0.1 mm
Standard designations	S/FTP, LIO2YSC11Y 4x2x0.15 PIMF FRNC GN	Strands	7
Wire material	Stranded tin-plated copper wire	Wire pair shielding	Aluminium foil

Electrical properties of cable

Capacity at 1 kHz	45 nF/km	Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Characteristic impedance	100 ± 5 Ω at 100MHz	Deviation	3 ns/100m
Loop resistance	290 Ω/km	Signal propagation time	4.5 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
Transmission rate	10 Gbit/s		

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IEC 60754-2

Min. bending radius, once only

5 x cable diameter
≤ 100 N

Resistance to spread of flame

in accordance with IEC 60332-1

Mechanical and material properties of cable

Abrasion resistance	very good	Corrosiveness of fumes	IEC 60754-2
Halogen	halogen-free, according to IEC 60754-2	Min. bending radius, once only	5 x cable diameter
Min. bending radius, repetitive	10 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

Plug

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

Plug, left

Connector left	Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded
	RJ45 IP 20	

Plug, right

Connector right	Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded
	RJ45 IP 20	

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

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Technische Daten

Approvals

Approvals



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User Documentation

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Catalogues

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Zeichnungen

Wiring

RJ45	1	white (orange)	1	RJ45
	2	orange	2	
	3	white (green)	3	
	4	blue	4	
	5	white (blue)	5	
	6	green	6	
	7	white (brown)	7	
	8	brown	8	