Data sheet

IE-C6ES8UG0012A20A20-E

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

www.weidmueller.com

General ordering data

Version	System cable, RJ45 IP 20, RJ45 IP 20, Cat.6A / Class EA (ISO/IEC 11801 2010), PUR, 1.2 m
Order No.	1506870012
Type	IE-C6ES8UG0012A20A20-E
GTIN (EAN)	4050118394047
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Length	1.2 m	Length (inches)	47.2441 inch
Net weight	79 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...80 °C
Installation temperature	-15 °C...60 °C		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

Cable specific standards

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

Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	S/FTP, LIO2YSC11Y 4x2x0.15 PIMF FRNC GN	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm²
Shielding	S/FTP	Insulation cross-section	1.03 mm
Insulation	PE	Sheath diameter, max.	6.5 mm
Sheath diameter, min.	6.1 mm	Material sheath	PUR
Wire pair shielding	Aluminium foil	Arrangement of wire cores	Twisted pair
Complete shielding	Shielding braid made from copper wiring	Wire material	Stranded tin-plated copper wire
Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown	Shielding braid thickness	0.1 mm

Electrical properties of cable

Category	Cat.6A / Class EA (ISO/ IEC 11801 2010)	Capacity at 1 kHz	45 nF/km
Loop resistance	290 Ω/km	Signal propagation time	4.5 ns/m
Test voltage: wire-wire-shield	700 V AC	Delay skew	3 ns/100m
Transfer impedance	15 mΩ/m at 1 MHz, 10 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz	Characteristic impedance	100 ± 5 Ω at 100MHz

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Mechanical and material properties of cable

Resistance to oils	in accordance with IEC 60811-2-1	Pulling force	≤ 100 N
Halogen	halogen-free, according to IEC 60754-2	Min. bending radius, repetitive	10 x cable diameter
Min. bending radius, once only	5 x cable diameter	Abrasion resistance	very good
Resistance to spread of flame	in accordance with IEC 60332-1	Corrosiveness of fumes	to IEC 60754-2

Plug

Plug right	RJ45, IP20, male contact, straight, Zinc diecast, shielded	Plug left	RJ45, IP20, male contact, straight, Zinc diecast, shielded

Plug, left

Plug left	RJ45, IP20, male contact, straight, Zinc diecast, shielded

Plug, right

Plug right	RJ45, IP20, male contact, straight, Zinc diecast, shielded

Classifications

ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		