

IE-C6ES8UG0050A46A46-X**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Assembled IE cables, SnapIn connectors according to IEC
61076-3-106 ver.6, Cat. 6, green

General ordering data

Version	System cable, RJ45 IP 67 snap-in V06 plastic, RJ45 IP 67 V 06, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), PUR, 5 m
Order No.	8815100000
Type	IE-C6ES8UG0050A46A46-X
GTIN (EAN)	4032248514878
Qty.	1 pc(s).

Creation date March 29, 2021 11:22:15 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Length	5 m	Length (inches)	196.85 inch
Net weight	283 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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)		

General standards

Connector standard	IEC 60603-7-51
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Standards

Connector standard	IEC 60603-7-51	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)

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	Copper diameter	0.48 mm
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.	6.6 mm	Sheath diameter, min.	6.2 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		

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Electrical properties of cable

Capacity at 1 kHz	45 nF/km	Category	Cat.6A / Class E _A (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
Speed	10 GBit/s	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	very good	Corrosiveness of fumes	to 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
Speed	10 GBit/s		

Plug, left

Connector left	RJ45 IP 67 snap-in V06 plastic
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Plug, right

Connector right	RJ45 IP 67 V 06
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plug

Connector left	RJ45 IP 67 snap-in V06 plastic	Connector right	RJ45 IP 67 V 06
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Classifications

ETIM 6.0	EC002599	ETIM 7.0	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

Approvals

ROHS	Conform
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Downloads

Engineering Data	WSCAD
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

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Drawings

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	