

IE-C6FS8UG0500A40A40-G**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Assembled IE cables, patch cable Cabinet Line, Cat. 6,
PUR, green

General ordering data

Version	System cable, RJ45 IP 20, RJ45 IP 20, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), PUR, 50 m
Order No.	8941350500
Type	IE-C6FS8UG0500A40A40-G
GTIN (EAN)	4032248863754
Qty.	1 pc(s).

Creation date March 29, 2021 11:50:32 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	50 m	Length (inches)	1,968.504 inch
Net weight	1,990 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85 °C
Installation temperature	-10 °C...60 °C		

Cable specific standards

Corrosiveness of fumes	According to EN50288-2-2	Generic communication cable facilities	ISO / IEC 11801:2002, ANSI / TIA / EIA-568-B.2-10, EN 50173-1:2007
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Electrical properties

PoE / PoE+	conforming to IEEE 802.3at
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General standards

Connector standard	IEC 60603-7-5 1
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Standards

Connector standard	IEC 60603-7-5 1	Corrosiveness of fumes	According to EN50288-2-2
Generic communication cable facilities	ISO / IEC 11801:2002, ANSI / TIA / EIA-568-B.2-10, EN 50173-1:2007		

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 27/7 - 4*2*0.1 mm ²
Insulation	PE	Insulation cross-section	1.02 mm
Material sheath	PUR	Number of wires	8
Overlap of shielding braid	60 %	Sheath diameter, max.	6.4 mm
Sheath diameter, min.	6 mm	Sheathing colour	green (RAL 6018)
Shielding	S/FTP	Strands	7
Wire material	Stranded tin-plated copper wire	Wire pair shielding	Aluminium foil

Electrical properties of cable

Capacity at 1 kHz	46 nF/km	Category	Cat.6 _A / Class E _A (ISO/IEC 11801 2010)
Characteristic impedance	100 ± 15 Ω at 1-100 MHz, 100 ± 22 Ω at 100-250 MHz, 100 ± 25 Ω at 250-600 MHz	Deviation	25 ns/100m
Signal propagation time	4.27 ns/m	Speed	10 GBit/s
Test voltage: wire-wire-shield	750 V DC, 1 min		

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Technical data**Mechanical and material properties of cable**

Abrasion resistance	very good	Corrosiveness of fumes	According to EN50288-2-2
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	Resistance to oils	in accordance with IEC 60811-2-1
Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1581 FT2	Silicone-free	Yes
Speed	10 GBit/s	UV-resistant	Yes

Plug, left

Connector left RJ45 IP 20

Plug, right

Connector right RJ45 IP 20

plug

Connector left	RJ45 IP 20	Connector right	RJ45 IP 20
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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

Downloads

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

Data sheet

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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	

Dimensioned drawing

