

IE-C6FS8UG0008A40A40-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, 0.8 m
Order No.	8941350008
Type	IE-C6FS8UG0008A40A40-G
GTIN (EAN)	4050118692938
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	0.8 m	Length (inches)	31.496 inch
Net weight	32.4 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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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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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	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	Test voltage: wire-wire-shield	750 V DC, 1 min

Mechanical and material properties of cable

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	UV-resistant	Yes

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Technical data**Plug, left**

Connector left	RJ45 IP 20
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Plug, right

Connector right	RJ45 IP 20
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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
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Downloads

Engineering Data	STEP
Brochure/Catalogue	Catalogues in PDF-format

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www.weidmueller.com**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