

## IE-C6FS8UG0005A40A40-G

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

[www.weidmueller.com](http://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, <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010), PUR, 0.5 m
Order No.	<a href="#">8941350005</a>
Type	IE-C6FS8UG0005A40A40-G
GTIN (EAN)	4032248734580
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E316369

## Dimensions and weights

Length	0.5 m	Length (inches)	19.685 inch
Net weight	31.68 g		

## Temperatures

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

## Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

## Cable specific standards

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

PoE / PoE+ conforming to IEEE  
802.3at

## General standards

Connector standard	IEC 60603-7-51	Certificate no. (cULus)	E316369
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## Standards

Connector standard	IEC 60603-7-51	Generic communication cable facilities	ISO / IEC 11801:2002, ANSI / TIA / EIA-568- B.2-10, EN 50173-1:2007
Corrosiveness of fumes	According to EN50288-2-2		

## Cable structure

Strands	7	Sheathing colour	green
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm <sup>2</sup>	Shielding	S/FTP
Number of wires	8	Insulation cross-section	1.02 mm
Insulation	PE	Sheath diameter, max.	6.4 mm
Sheath diameter, min.	6 mm	Material sheath	PUR
Wire pair shielding	Aluminium foil	Arrangement of wire cores	Twisted pair

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**Technical data**

Complete shielding	Shielding braid made from copper wiring	Overlap of shielding braid	60 %
Wire material	Stranded tin-plated copper wire	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown

**Electrical properties of cable**

Transmission rate	10 Gbit/s	Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Capacity at 1 kHz	46 nF/km	Signal propagation time	4.27 ns/m
Test voltage: wire-wire-shield	750 V DC, 1 min	Delay skew	25 ns/100m
Characteristic impedance	100 ± 15 Ω at 1–100 MHz, 100 ± 22 Ω at 100–250 MHz, 100 ± 25 Ω at 250–600 MHz		

**Mechanical and material properties of cable**

Resistance to oils	in accordance with IEC 60811-2-1	Silicone-free	Yes
UV-resistant	Yes	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 / UL 1581 FT2
Corrosiveness of fumes	According to EN50288-2-2		

**Plug**

Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded	Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded
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**Plug, left**

Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded
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**Plug, right**

Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded
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**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		

**Drawings**

**Wiring**

**Dimensioned drawing**

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	