Data sheet

IE-C6FS8UG0030A40A40-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, <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010), PUR, 3 m
Order No.	8941350030
Type	IE-C6FS8UG0030A40A40-G
GTIN (EAN)	4032248792023
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	3 m	Length (inches)	118.1102 inch
Net weight	116.16 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

Electrical properties

PoE / PoE+	conforming to IEEE 802.3at

General standards

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

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 mm²	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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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

Plug, left

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

Plug, right

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

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Drawings

Wiring

Dimensioned drawing