

IE-C6ES8UG0010C40C40-Y

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

www.weidmueller.com



General ordering data

Version	System cable, RJ45 IP 20, crossover, RJ45 IP 20, crossover, Cat.6A / Class EA (ISO/IEC 11801 2010), PUR, 1 m
Order No.	1180030000
Type	IE-C6ES8UG0010C40C40-Y
GTIN (EAN)	4032248971466
Qty.	1 pc(s).

Creation date March 13, 2023 12:27:07 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Length	1 m	Length (inches)	39.37 inch
Net weight	63 g		

Temperatures

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

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)		

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 26/7 - 4*2*0.128 mm ²
Insulation	PE	Insulation cross-section	1.03 mm
Material sheath	PUR	Sheath diameter, max.	6.5 mm
Sheath diameter, min.	6.1 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

Electrical properties of cable

Capacity at 1 kHz	45 nF/km	Category	Cat.6A / Class EA (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
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	Colour	yellow
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		

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Technical data**Plug**

Plug left	RJ45, IP20, male contact, straight, crossover, Plastic, shielded	Plug right	RJ45, IP20, male contact, straight, crossover, Plastic, shielded
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Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	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	ECLASS 12.0	27-06-03-08

Approvals

ROHS	Conform
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