

IE-C6ES8UG0120A45A40-X**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Industrial Ethernet connection technology by Weidmüller offers the optimal solution for the infrastructure of your machine, system or factory. All connection technology is available from one source.

The benefits for you:

- IEC-standardised connectors, in the variants 1, 4, 5 , 6 and 14
- consistently Cat. 6_A with **STEADYTEC®** technology
- in IP20 and IP67
- all relevant industrial connections: RJ45, SC, ...
- comprehensive range of accessories

General ordering data

Version	System cable, RJ45 IP 67 RockStar V05 metal, RJ45 IP 20, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), PUR, 12 m
Order No.	8950550120
Type	IE-C6ES8UG0120A45A40-X
GTIN (EAN)	4032248741519
Qty.	1 pc(s).
Available until	2012-12-31

Creation date March 29, 2021 11:52:27 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	12 m	Length (inches)	472.441 inch
Net weight	657 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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)		

General standards

Connector standard	IEC 61076-3-106 Var. 5, IEC 60603-7-51
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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 26/7 - 4*2*0.128 mm ²
Insulation	PE	Insulation cross-section	1.03 mm
Material sheath	PUR	Sheath diameter, max.	6.6 mm
Sheath diameter, min.	6.2 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.6 _A / Class E _A (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

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

Abrasion resistance	very good	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

plug

Connector left	RJ45 IP 67 RockStar V05 metal	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

User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
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