Data sheet

IE-C5ES8UG0050A45A2E-X

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

www.weidmueller.com

General ordering data

Version	System cable, RJ45 IP 67 RockStar V05 metal, RJ45 IP 67 PushPull V14 metal, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 5 m
Order No.	1525520050
Type	IE-C5ES8UG0050A45A2E-X
GTIN (EAN)	4050118332209
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Length	5 m	Length (inches)	196.8504 inch
Net weight	345 g		

Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...80 °C
Installation temperature	-10 °C...60 °C		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

Cable specific standards

Standard, assembly	UL-Style 20963 (80°C/30V)	Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007
Corrosiveness of fumes	to IEC 60754-2		

Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	SF/UTP, IE-7IC4x2xAWG23/1-PUR 02YSC11Y PIMF	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm²
Shielding	SF/UTP	Number of wires	8
Insulation cross-section	1 mm	Insulation	PE
Sheath diameter, max.	6.3 mm	Sheath diameter, min.	5.7 mm
Material sheath	PUR	Arrangement of wire cores	Twisted pair
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Wire material	Stranded tin-plated copper wire
Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown	Shielding braid thickness	0.1 mm

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Capacity at 1 kHz	47 nF/km
Loop resistance	290 Ω/km	Signal propagation time	4.85 ns/m
Test voltage: wire-wire-shield	1000 Vrms, 50 Hz, 1 min	Delay skew	25 ns/100m
Characteristic impedance	100 ± 5 Ω at 100MHz		

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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	4 x cable diameter
Abrasion resistance	very good	Resistance to spread of flame	in accordance with IEC 60332-1
Corrosiveness of fumes	to IEC 60754-2		

Plug

Plug right	RJ45, IP67, male contact, straight, PushPull V14, Zinc diecast, shielded	Plug left	RJ45, IP67, male contact, straight, RockStar V05, Diecast aluminium, shielded

Plug, left

Plug left	RJ45, IP67, male contact, straight, RockStar V05, Diecast aluminium, shielded

Plug, right

Plug right	RJ45, IP67, male contact, straight, PushPull V14, Zinc diecast, 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		