

IE-C5ES8VG0200A40A40-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**General ordering data**

Version	System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 20 m
Order No.	8993250000
Type	IE-C5ES8VG0200A40A40-E
GTIN (EAN)	4032248970711
Qty.	1 pc(s).
Available until	2012-12-31

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Technical data

Dimensions and weights

Length	20 m	Length (inches)	787.402 inch
Net weight	753.2 g		

Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...80 °C
Installation temperature	0 °C...50 °C		

General standards

Connector standard	IEC 60603-7-51
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Cable structure

Arrangement of wire cores		Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
	Twisted pair		
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
Diameter of wire pair	2 mm	Insulation	PE
Insulation cross-section	1 mm	Material sheath	PVC
Number of wires	8	Overlap of shielding braid	65 %
Sheath diameter, max.	6.1 mm	Sheath diameter, min.	5.7 mm
Sheathing colour	green (RAL 6018)	Shielding	SF/UTP
Shielding braid thickness	0.1 mm	Strands	7
Wire core insulation thickness	0.25 mm	Wire material	Stranded tin-plated copper wire

Electrical properties of cable

Capacity at 1 kHz	47 nF/km	Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)
Characteristic impedance	100 ± 5 Ω at 100MHz	Delay skew	25 ns/100m
Loop resistance	290 Ω/km	Resistance differential	3 %
Signal propagation time	4.85 ns/m	Test voltage: wire-wire-shield	700 V AC
Transfer impedance	10 mΩ/m at 10 MHz		

Mechanical and material properties of cable

Abrasion resistance	good	Fire propagation	No
Halogen	Yes	Min. bending radius, once only	5 x cable diameter
Min. bending radius, repetitive	10 x cable diameter	Resistance to spread of flame	in accordance with IEC 60332-1

Plug

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

Plug left	RJ45, IP20, male contact, straight, Plastic, shielded
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www.weidmueller.com**Technical data****Plug, right**

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

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	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
ECLASS 13.0	27-06-03-08	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
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ROHS	Conform
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Downloads

Engineering Data	CAD data – STEP
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN PI PROFINET CABLING EN