

IE-C6ES8UG0200A40A40-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Assembled IE cables, patch cable Cabinet Line, various colours

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, 20 m
Order No.	8909650200
Type	IE-C6ES8UG0200A40A40-E
GTIN (EAN)	4032248691067
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Length	20 m	Length (inches)	787.402 inch
Net weight	824 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...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)		

General standards

Connector standard	IEC 60603-7-5 1
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Standards

Connector standard	IEC 60603-7-5 1	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		Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
	Twisted pair		
Complete shielding	Shielding braid made from copper wiring	Copper diameter	0.48 mm
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	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Characteristic impedance	100 ± 5 Ω at 100MHz	Delay skew	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
Transmission rate	10 Gbit/s		

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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

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

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

Plug right	RJ45, IP20, male contact, straight, plug, 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/
ROHS	Conform

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Technical data

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

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Drawings

Wiring

RJ45	1	white (orange)	1	RJ45
	2	orange	2	
	3	white (green)	3	
	4	blue	4	
	5	white (blue)	5	
	6	green	6	
	7	white (brown)	7	
	8	brown	8	