

IE-C6ES8VG0500A40A40-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.6A / Class EA (ISO/IEC 11801 2010), PVC, 50 m
Order No.	8903620500
Type	IE-C6ES8VG0500A40A40-E
GTIN (EAN)	4032248664986
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Length	50 m	Length (inches)	1968.5039 inch
Net weight	2166.56 g		

Temperatures

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

Environmental Product Compliance

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

Cable specific standards

Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	Standard, wire material	DIN EN 13602 Cu-ETP-A
Standard, assembly	UL-Style 2879 (80°C/30V)	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B
Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007		

General standards

Connector standard	IEC 60603-7-51
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Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	S/FTP, LI02YSCY 4X2X0.15 PIMF GN	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
Shielding	S/FTP	Number of wires	8
Insulation cross-section	0.98 mm	Insulation	PE
Sheath diameter, max.	6.5 mm	Sheath diameter, min.	6.1 mm
Material sheath	PVC	Wire pair shielding	Plastic foil, Aluminium foil
Arrangement of wire cores	Twisted pair	Wire core insulation thickness	0.25 mm
Complete shielding	Shielding braid made from copper wiring	Overlap of shielding braid	70 %
Wire material	Stranded tin-plated copper wire	Sheathing material thickness	0.5 mm
Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown	Shielding braid thickness	0.1 mm

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Electrical properties of cable

Category	Cat.6A / Class EA (ISO/IEC 11801 2010)	Capacity at 1 kHz	45 nF/km
Loop resistance	290 Ω/km	Signal propagation time	5.13 ns/m
Test voltage: wire-wire-shield	700 V AC	Resistance differential	3 %
Shield attenuation	80 dB at 600 Mhz	Delay skew	3 ns/100m
Transfer impedance	15 mΩ/m at 1 MHz, 10 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz	Characteristic impedance	100 ± 5 Ω at 100MHz

Mechanical and material properties of cable

Halogen	Yes	Min. bending radius, repetitive	10 x cable diameter
Min. bending radius, once only	5 x cable diameter	Abrasion resistance	good
Resistance to spread of flame	in accordance with IEC 60332-1		

Plug

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

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

ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-07		