Data sheet

Industrial Ethernet
IE-C5ES8UG0150A40A40-E

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
Fon: +49 5231 14-0
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Assembled IE cables, patch cable Cabinet Line, various colours

General ordering data

Type	IE-C5ES8UG0150A40A40-E
Order No.	8829680000
Version	System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 15 m
GTIN (EAN)	4032248534173
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	15 m	Length (inches)	0.591 inch
Net weight	620 g	Insulation cross-section	1 mm

Temperatures

Operating temperature, max.	80 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	80 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...80 °C	Storage temperature	-40 °C...80 °C
Installation temperature	-10 °C...60 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Standards

Corrosiveness of fumes	to IEC 60754-2	Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007
Connector standard	IEC 60603-7-51	Standard, assembly	UL-Style 20963 (80°C/30V)

Cable structure

Wire material	Stranded tin-plated copper wire	Standard designations	LI02YS(ST)C11Y 4x2x0.15-100 GN NC, SF/UTP
Strands	7	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm²
Insulation	PE	Insulation cross-section	1 mm
No. of wires	8	Arrangement of wire cores	Twisted pair
Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown	Shielding	SF/UTP
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Shielding braid thickness	0.1 mm
Material sheath	PUR	Sheath diameter, min.	5.7 mm
Sheath diameter, max.	6.1 mm	Sheathing colour	green (RAL 6018)

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Test voltage: wire-wire-shield	700 V AC
Characteristic impedance	100 ± 5 Ω at 100MHz	Loop resistance	290 Ω/km
Deviation	25 ns/100m	Capacity at 1 kHz	50 nF/km
Signal propagation time	4.85 ns/m		

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Mechanical and material properties of cable

Min. bending radius, once only	5 x cable diameter	Min. bending radius, repetitive	10 x cable diameter
Abrasion resistance	very good	Resistance to spread of flame	in accordance with IEC 60332-1
Resistance to oils	in accordance with IEC 60811-2-1	UV-resistant	Yes
Silicone-free	Yes	Halogen	halogen-free, according to IEC 60754-2
Corrosiveness of fumes	to IEC 60754-2		

plug

Connector left	RJ45 IP 20	Connector right	RJ45 IP 20

Classifications

ETIM 3.0	EC001262	ETIM 4.0	EC000830
ETIM 5.0	EC000830	ETIM 6.0	EC002599
UNSPSC	26-12-16-06	eClass 5.1	27-06-18-02
eClass 6.2	27-06-18-01	eClass 7.1	27-06-18-01
eClass 8.1	27-06-18-01	eClass 9.0	27-06-03-08
eClass 9.1	27-06-03-08		

Approvals

ROHS	Conform

Downloads

Brochure/Catalogue	FL FIELDWIRING EN PI PROFINET CABLING EN
Engineering Data	WSCAD
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

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Drawings

Wiring

