

IE-C7ES8UG-500**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Bulk stock, copper cable, flexible, Cat. 7

General ordering data

Version	System cable, Cat.7 (ISO/IEC 11801), PUR, 500 m
Order No.	2763550000
Type	IE-C7ES8UG-500
GTIN (EAN)	4064675031048
Qty.	1 pc(s).
Packaging	on plywood reel

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Technical data

Dimensions and weights

Length	500 m	Length (inches)	19,685.039 inch
Net weight	12,000 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...80 °C
Installation temperature	-15 °C...60 °C		

Technical specifications for cable

Halogen	halogen-free, according to IEC 60754-2	Insulation	PE
Number of poles	8	Resistance to oils	in accordance with IEC 60811-2-1
Resistance to spread of flame	in accordance with IEC 60332-1	Sheathing colour	green (RAL 6018)
Shielded	Yes	Test voltage: wire-wire-shield	700 V AC

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)		

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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	Shielding braid made from copper wiring	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
Insulation	PE	Insulation cross-section	1.04 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	IE-7CC4x2xAWG26/7-PUR LI02YSC11Y PIMF 26 AWG E197099 (UL) AWM STYLE 20963 80°C 30V, S/FTP	Strands	7
Wire material	Stranded tin-plated copper wire	Wire pair shielding	Aluminium foil

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Electrical properties of cable

Capacity at 1 kHz	45 nF/km	Category	Cat. 7 (ISO/IEC 11801)
Characteristic impedance	100 $\pm$ 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		Transfer impedance	15 m Ω /m at 1 MHz, 10 m Ω /m at 10 MHz, 30 m Ω /m at 30 MHz
	700 V AC		

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	$\leq$ 100 N
Resistance to oils	in accordance with IEC 60811-2-1	Resistance to spread of flame	in accordance with IEC 60332-1

Classifications

ETIM 6.0	EC000830	ETIM 7.0	EC003249
ETIM 8.0	EC003249	ETIM 9.0	EC003249
ETIM 10.0	EC003249	ECLASS 9.0	27-06-18-05
ECLASS 9.1	27-06-90-90	ECLASS 10.0	27-06-18-01
ECLASS 11.0	27-06-18-01	ECLASS 12.0	27-06-18-01
ECLASS 13.0	27-06-18-01	ECLASS 14.0	27-06-18-01
ECLASS 15.0	27-06-18-01		

Approvals

Approvals



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

Environmental Product Compliance

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

Downloads

Catalogues	Catalogues in PDF-format
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Drawings

Detailed drawing

