

IE-C7ES8UG-100

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, 100 m
Order No.	8813180000
Type	IE-C7ES8UG-100
GTIN (EAN)	4032248513031
Qty.	1 items
Packaging	as cable ring in carton

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Length	100 m	Length (inches)	3937.0079 inch
Net weight	4300 g		

Temperatures

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

Environmental Product Compliance

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

Technical specifications for cable

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

Cable specific standards

Standard, assembly	UL-Style 20963 (80°C/30V)	Generic communication cable facilities	EN 50173-1:2007, ISO / IEC 11801:2002
Corrosiveness of fumes	to IEC 60754-2	Impervious to smoke	No

Standards

Standard, assembly	UL-Style 20963 (80°C/30V)	Generic communication cable facilities	EN 50173-1:2007, ISO / IEC 11801:2002
Corrosiveness of fumes	to IEC 60754-2	Impervious to smoke	No

Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	IE-7CC4x2xAWG26/7-PUR LI02YSC11Y PIMF 26 AWG E197099 (UL) AWM STYLE 20963 80°C 30V, S/FTP	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
Shielding	S/FTP	Number of wires	8
Insulation cross-section	1.04 mm	Insulation	PE
Sheath diameter, max.	6.5 mm	Sheath diameter, min.	6.1 mm
Material sheath	PUR	Wire pair shielding	Aluminium foil

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Arrangement of wire cores	Twisted pair	Complete shielding	Shielding braid made from copper wiring
Wire material	Stranded tin-plated copper wire	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
Shielding braid thickness	0.1 mm		

Electrical properties of cable

Category	Cat.7 (ISO/IEC 11801)	Capacity at 1 kHz	45 nF/km
Loop resistance	290 Ω/km	Signal propagation time	4.5 ns/m
Test voltage: wire-wire-shield	700 V AC	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

Resistance to oils	in accordance with IEC 60811-2-1	UV-resistant	No
Pulling force	≤ 100 N	Halogen	halogen-free, according to IEC 60754-2
Min. bending radius, repetitive	10 x cable diameter	Min. bending radius, once only	5 x cable diameter
Abrasion resistance	very good	Resistance to spread of flame	in accordance with IEC 60332-1
Corrosiveness of fumes	to IEC 60754-2	Impervious to smoke	No

Classifications

ETIM 8.0	EC003249	ETIM 9.0	EC003249
ETIM 10.0	EC003249	ECLASS 14.0	27-06-18-01
ECLASS 15.0	27-06-18-01		

Drawings

Detailed drawing

