

IE-C7ES8VG-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), PVC, 100 m
Order No.	8813170000
Type	IE-C7ES8VG-100
GTIN (EAN)	4032248513024
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	100 m	Length (inches)	3,937.008 inch
Net weight	4,460 g		

Temperatures

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

Technical specifications for cable

Insulation	PE	Number of poles	8
Number of wires	8	Resistance to spread of flame	in accordance with IEC 60332-1
Sheathing colour	green (RAL 6018)	Test voltage: wire-wire-shield	700 V AC

Cable specific standards

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

Standards

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

Cable structure

Arrangement of wire cores	Twisted pair	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
Complete shielding	Shielding braid made from copper wiring	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
Diameter of wire pair	2.4 mm	Insulation	PE
Insulation cross-section	0.98 mm	Material sheath	PVC
Number of wires	8	Overlap of shielding braid	70 %
Sheath diameter, max.	6.7 mm	Sheath diameter, min.	6.1 mm
Sheathing colour	green (RAL 6018)	Sheathing material thickness	0.5 mm
Shielding	S/FTP	Shielding braid thickness	0.1 mm
Standard designations	S/FTP, IE-7CC4x2xAWG26/7-PVC LI02YSCY PIMF E130266 (UL) AWM STYLE 2879 80°C 30V	Strands	7
Wire core insulation thickness	0.25 mm	Wire material	Stranded tin-plated copper wire
Wire pair shielding	Plastic foil, Aluminium foil		

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Electrical properties of cable

Capacity at 1 kHz	48 nF/km	Category	Cat. 7 (ISO/IEC 11801)
Characteristic impedance	100 ± 5 Ω at 100MHz	Deviation	25 ns/100m
Loop resistance	150 Ω/km	Resistance differential	3 %
Shield attenuation	55 dB at 30–600 MHz	Signal propagation time	5.13 ns/m
Test voltage: wire-wire-shield		Transfer impedance	15 mΩ/m at 1 MHz, 20 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz
	700 V AC		

Mechanical and material properties of cable

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

Classifications

ETIM 6.0	EC000830	ETIM 7.0	EC003249
ETIM 8.0	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		

Approvals

ROHS	Conform
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Downloads

Engineering Data	WSCAD
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN

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Drawings

Detailed drawing

