

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).
Packaging	as cable ring in carton

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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...75 °C	Operating temperature	-40 °C...75 °C
Installation temperature	0 °C...50 °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)	Shielded	Yes
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
Insulation	PE	Insulation cross-section	1.04 mm
Material sheath	PVC	Number of wires	8
Overlap of shielding braid	70 %	Sheath diameter, max.	6.5 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	45 nF/km	Category	Cat. 7 (ISO/IEC 11801)
Characteristic impedance	100 ± 5 Ω at 100MHz	Delay skew	3 ns/100m
Loop resistance	290 Ω/km	Resistance differential	3 %
Shield attenuation	80 dB at 600 Mhz	Signal propagation time	4.5 ns/m
Test voltage: wire-wire-shield		Transfer impedance	15 mΩ/m at 1 MHz, 10 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	ETIM 9.0	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

Environmental Product Compliance

REACH SVHC /

Approvals

Approvals



ROHS Conform

Downloads

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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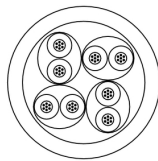
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Drawings

Detailed drawing



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www.weidmueller.com**Accessories****Tools**

The CST with blue blade cartridge produces the best stripping results. The blue double-stage blade cartridge is particularly suited for Ethernet cables. It saves time and also ensures optimal stripping results.

General ordering data

Type	IE-CST	Version
Order No.	9204350000	Tools, Sheathing strippers
GTIN (EAN)	4032248653072	
Qty.	1 pc(s).	

Tools

Sheathing stripper for PVC cables

**General ordering data**

Type	AM 12	Version
Order No.	9030060000	Tools, Sheathing strippers
GTIN (EAN)	4008190337827	
Qty.	1 pc(s).	