Data sheet

IE-C7ES8VG-MW

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, Products sold by meter, from 110 m
Order No.	8955480000
Type	IE-C7ES8VG-MW
GTIN (EAN)	4032248753413
Qty.	1 M
Delivery status	Discontinued
Available until	2020-10-31T00:00:00+01:00

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Net weight	50.83 g

Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...80 °C
Installation temperature	0 °C...50 °C		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Technical specifications for cable

Sheathing colour	green (RAL 6018)	Number of wires	8
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, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	Standard, wire material	DIN EN 13602 Cu-ETP-A
Standard, assembly	UL-Style 2879 (80°C/30V)	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B
Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007		

Standards

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Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	S/FTP, IE-7CC4x2xAWG26/7-PVC LI02YSCY PIMF E130266 (UL) AWM STYLE 2879 80°C 30V	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm²
Shielding	S/FTP	Number of wires	8
Insulation	PE	Sheath diameter, max.	6.5 mm
Sheath diameter, min.	6.1 mm	Material sheath	PVC
Wire pair shielding	Plastic foil, Aluminium foil	Arrangement of wire cores	Twisted pair

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Wire core insulation thickness	0.25 mm	Complete shielding	Shielding braid made from copper wiring
Overlap of shielding braid	70 %	Wire material	Stranded tin-plated copper wire
Sheathing material thickness	0.5 mm	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	5.13 ns/m
Test voltage: wire-wire-shield	700 V AC	Resistance differential	3 %
Shield attenuation	80 dB at 600 Mhz	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

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

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		

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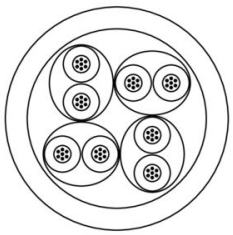
Drawings

Detailed drawing



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Accessories

Tools

Sheathing stripper for PVC cables

General ordering data

Type	AM 12	Version
Order No.	9030060000	Tools, Sheathing strippers
GTIN (EAN)	4008190337827	
Qty.	1 ST	
Type	IE-CST	Version
Order No.	9204350000	Tools, Sheathing strippers
GTIN (EAN)	4032248653072	
Qty.	1 ST	