

IE-C5ES8VG0015M40M40-G**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Assembled cables, patch cable Cabinet Line, Cat. 5, PVC,
green

General ordering data

Version	System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801), PVC, 1.5 m
Order No.	1166020015
Type	IE-C5ES8VG0015M40M40-G
GTIN (EAN)	4032248956821
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Length	1.5 m	Length (inches)	59.055 inch
Net weight	72 g		

Temperatures

Operating temperature	-40 °C...75 °C
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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		

Electrical properties

PoE / PoE+	conforming to IEEE 802.3at
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General standards

Connector standard	IEC 60603-7-51
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Standards

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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 - blue, white/ orange - orange, white/ green - green, white/ brown - 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.	5.8 mm	Sheath diameter, min.	5.4 mm
Sheathing colour	green (RAL 6018)	Sheathing material thickness	0.5 mm
Shielding	SF/UTP	Shielding braid thickness	0.1 mm
Standard designations	LI02YSCY 4X2X0.15 PIMF GN, SF/UTP	Strands	7
Wire core insulation thickness	0.25 mm	Wire material	Stranded tin-plated copper wire
Wire pair shielding	Aluminium foil, Plastic foil		

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Technical data**Electrical properties of cable**

Capacity at 1 kHz	48 nF/km	Category	Cat.5 (ISO/IEC 11801)
Characteristic impedance	100 ± 5 Ω at 100MHz	Delay skew	25 ns/100m
Loop resistance	150 Ω/km	Operating voltage (UL rating)	30 V
Operating voltage, UL	30 V	Resistance differential	3 %
Shield attenuation	55 dB at 30–600 MHz	Signal propagation time	5.13 ns/m
Test voltage: wire-wire-shield	750 V DC, 1 min	Transfer impedance	15 mΩ/m at 1 MHz, 20 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz
Transmission rate	10/100 MBit/s, 1000 MBit/s		

Mechanical and material properties of cable

Abrasion resistance	good	Halogen	Yes
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		

Plug

Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded	Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded
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Plug, left

Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded
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Plug, right

Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded
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Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 9.0	27-06-03-08
ECLASS 9.1	27-06-03-08	ECLASS 10.0	27-06-03-08
ECLASS 11.0	27-06-03-08	ECLASS 12.0	27-06-03-08
ECLASS 13.0	27-06-03-08	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

Environmental Product Compliance

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

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www.weidmueller.com**Technical data****Approvals**

Approvals



Approvals MAMID

https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/

ROHS

Conform

Downloads

Engineering Data

[CAD data – STEP](#)

Product Change Notification

[PCN-PB47-20180213-00-A_EN](#)[PCN-PB47-20180213-00-A_DE](#)

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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www.weidmueller.com**Drawings****Wiring**

RJ45	1	white, orange	1	RJ45
	2	orange	2	
	3	white, green	3	
	4	blue	4	
	5	white, blue	5	
	6	green	6	
	7	white, brown	7	
	8	brown	8	

Dimensioned drawing