

## IE-C5DS4VG0030MSSMCS-E

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



Assembled IE cables, PROFINET, Cat. 5, PVC, green

### General ordering data

Version	System cable, M12 D-code – IP 67 straight socket, M12 D-code – IP 67 straight pin, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 3 m
Order No.	<a href="#">1176940000</a>
Type	IE-C5DS4VG0030MSSMCS-E
GTIN (EAN)	4032248970438
Qty.	1 items

**IE-C5DS4VG0030MSSMCS-E**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E316369

**Dimensions and weights**

Length	3 m	Length (inches)	118.1102 inch
Net weight	203.28 g		

**Temperatures**

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...70 °C
Installation temperature	-40 °C...80 °C		

**Environmental Product Compliance**

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

**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 21694	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B
Standard, additional standards	UL-File E11901 Vol.1 Sec.12 Page 1, UL-File E116441 Vol.1 Sec.6 Page 8		

**General standards**

Connector standard	IEC 61076-2-101	Certificate no. (cULus)	E316369
--------------------	-----------------	-------------------------	---------

**Standards**

Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	Connector standard	IEC 61076-2-101
Standard, wire material	DIN EN 13602 Cu-ETP-A	Standard, assembly	UL-Style 21694
Standard, shielding material	DIN EN 13602 Cu-ETP-A..B	Standard, additional standards	UL-File E11901 Vol.1 Sec.12 Page 1, UL-File E116441 Vol.1 Sec.6 Page 8

## IE-C5DS4VG0030MSSMCS-E

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	2YY(ST)CY 2x2x0,75/1,5-100 LI VZN GN	Cross-section	4*AWG 22/7 - 0.32 mm <sup>2</sup>
Shielding	SF/UTP	Number of wires	4
Insulation cross-section	1.5 mm	Insulation	PE
Sheath diameter, max.	6.7 mm	Sheath diameter, min.	6.3 mm
Material sheath	PVC	Filler	As central element
Arrangement of wire cores	Star-quad	Complete shielding	Aluminium foil, Shielding braid made from copper wiring
Overlap of shielding braid	85 %	Wire material	Stranded tin-plated copper wire
Diameter of inner sheathing	4.05 mm	Sheathing material thickness	0.9 mm
Colour sequence or wires - wire pairs	white, yellow, blue, orange	Shielding braid thickness	0.13 mm

## Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Loop resistance	120 Ω/km
Signal propagation time	5.3 ns/m	Test voltage: wire-wire-shield	2000 V <sub>eff</sub> , 50 Hz, 1 min
Operating voltage, UL	600 V	Operating voltage (UL rating)	600 V
Transfer impedance	20 mΩ/m at 10 MHz	Characteristic impedance	100 ± 5 Ω at 100MHz

## Mechanical and material properties of cable

Halogen	Yes	Min. bending radius, repetitive	7.5 x cable diameter
Min. bending radius, once only	3.5 *diameter	Abrasion resistance	good
Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1685		

## Classifications

ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-07		