Industrial Ethernet
IE-5CC4x2xAWG26/7-PVC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
Fon: +49 5231 14-0
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Bulk stock, copper cable, flexible, 4 x 2 x AWG 26/7, Cat. 5, green

General ordering data

Type	IE-5CC4x2xAWG26/7-PVC
Order No.	8813190000
Version	System cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 100 m
GTIN (EAN)	4032248513048
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	100 m	Length (inches)	3.937 inch
Net weight	4,260 g	Insulation cross-section	1 mm

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Cable structure

Wire material	Stranded tin-plated copper wire	Standard designations	SF/UTP, IE-5CC4x2xAWG26/7-PVC LI02YS(ST)CY
Strands	7	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm²
Insulation	PE	Insulation cross-section	1 mm
Wire core insulation thickness	0.25 mm	No. of wires	8
Arrangement of wire cores	Twisted pair	Diameter of wire pair	2 mm
Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown	Shielding	SF/UTP
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Shielding braid thickness	0.1 mm
Overlap of shielding braid	65 %	Material sheath	PVC
Sheath diameter, min.	5.2 mm	Sheath diameter, max.	5.8 mm
Sheathing colour	green (RAL 6018)		

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Test voltage: wire-wire-shield	700 V AC
Characteristic impedance	100 ± 5 Ω at 100MHz	Loop resistance	290 Ω/km
Deviation	40 ns/100m	Resistance differential	3 %
Transfer impedance	10 mΩ/m at 10 MHz	Capacity at 1 kHz	47 nF/km
Signal propagation time	4.85 ns/m		

Mechanical and material properties of cable

Min. bending radius, once only	5 x cable diameter	Min. bending radius, repetitive	10 x cable diameter
Abrasion resistance	good	Resistance to spread of flame	in accordance with IEC 60332-1
Fire propagation	No		

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Classifications

ETIM 3.0	EC001262	ETIM 4.0	EC000830
ETIM 5.0	EC000830	ETIM 6.0	EC000830
UNSPSC	26-12-16-06	eClass 5.1	27-06-18-02
eClass 6.2	27-06-18-01	eClass 7.1	27-06-18-01
eClass 8.1	27-06-03-08	eClass 9.0	27-06-18-05
eClass 9.1	27-06-90-90		

Approvals

ROHS	Conform

Downloads

Brochure/Catalogue	CAT 9 IETH 15/16 EN FL FIELDWIRING EN PI PROFINET CABLING EN
Engineering Data	WSCAD
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

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Drawings

Detailed drawing