

**IE-C5ES8VB0005N40N40-B-K6KV****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Assembled cables with 2x RJ45, suitable for smart metering applications, different colors in accordance with DIN VDE 0603-100. Short plugs and cables with small bending radius for tight spaces, plug housing with circumferential insulation allow protection class IP30 in mated condition.

**General ordering data**

Version	Patch cable, RJ45 IP30 (plugged), RJ45 IP30 (plugged), Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 0.5 m, , straight, 6 kV
Order No.	<a href="#">2813820005</a>
Type	IE-C5ES8VB0005N40N40-B-K6KV
GTIN (EAN)	4064675298311
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Length	0.5 m	Length (inches)	19.685 inch
Net weight	14 g		

## Temperatures

Operating temperature	-20 °C...70 °C	Installation temperature	0 °C...50 °C
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## Electrical properties

Operating voltage	125 V	PoE / PoE+	conforming to IEEE 802.3at
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## General standards

Connector standard	IEC 60603-7-51
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## Standards

Connector standard	IEC 60603-7-51
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## Cable structure

Cable layout	Double insulation according to VDE 0603-100	Colour coding	white / blue, white / orange, white / green, white / brown
Complete shielding	Shielding braid made from copper wiring, Aluminium foil	Cross-section	4x2xAWG 26/7. 4x2x0.128 mm <sup>2</sup>
Insulation	PE	Insulation cross-section	1 mm
Material sheath	PVC	Number of wires	8
Sheath diameter	5.5 mm	Sheathing colour	blue
Shielding	SF/UTP		

## Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Operating voltage	125 V
Rated impulse withstand voltage	6 kV	Signal propagation time	5.1 ns/m

## Mechanical and material properties of cable

Bending radius	4 x cable diameter	Colour	blue (RAL 5015)
Min. bending radius, once only	5 x cable diameter	Resistance to spread of flame	in accordance with IEC 60332-1-2

## Plug

Plug left	RJ45, IP30 (plugged), male contact, straight, plug, shielded	Plug right	RJ45, IP30 (plugged), male contact, straight, plug, shielded
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## Plug, left

Plug left	RJ45, IP30 (plugged), male contact, straight, plug, shielded
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Catalogue status 13.07.2024 / We reserve the right to make technical changes.

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Plug, right**

Plug right	RJ45, IP30 (plugged), male contact, straight, plug, shielded
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**Classifications**

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	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

**Environmental Product Compliance**

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

**Approvals**

Approvals



ROHS	Conform
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**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Wiring**

RJ45	1	red	1	RJ45
	2	orange	2	
	3	black	3	
	4	blue	4	
	5	white	5	
	6	green	6	
	7	yellow	7	
	8	brown	8	