

**IE-C5ES8VB0050N40N40-B-K6KV**

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

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, 5 m, , straight, 6 kV
Order No.	<a href="#">2813820050</a>
Type	IE-C5ES8VB0050N40N40-B-K6KV
GTIN (EAN)	4064675298366
Qty.	1 items

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

Length	5 m	Length (inches)	196.8504 inch
Net weight	186 g		

**Temperatures**

Storage temperature		Operating temperature	-20 °C...70 °C
Installation temperature	0 °C...50 °C		

**Environmental Product Compliance**

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

**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	Application-specific communication cable facilities	VDE-AR-N 4100:2019-04
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**Standards**

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

Sheath diameter	5.5 mm	Sheathing colour	blue
Cross-section	4x2xAWG 26/7. 4x2x0.128 mm <sup>2</sup>	Shielding	SF/UTP
Number of wires	8	Insulation cross-section	1 mm
Insulation	PE	Material sheath	PVC
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		

**Electrical properties of cable**

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

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**Mechanical and material properties of cable**

Resistance to oils	No	Colour	blue, blue (RAL 5015)
Halogen	yes (PVC cable)	Min. bending radius, once only	5 x cable diameter
Bending radius	4 x cable diameter	Resistance to spread of flame	in accordance with IEC 60332-1-2

**Plug**

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

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

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

**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	