

# VS-09-DSUB-20-LI-1,0 - D-SUB cable



1656233

<https://www.phoenixcontact.com/us/products/1656233>

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Assembled D-SUB cable, shielded, 9-pos., stranded (7-wire), cable color: RAL 7000 (gray), secured using 4-40 UNC thread, IP20 protection, head 1 with socket shell 1 and straight cable outlet, head 2 with pin shell 1 and straight cable outlet, length: 1 m

## Commercial data

Item number	1656233
Packing unit	1 pc
Minimum order quantity	5 pc
Sales key	AB19
Product key	ABNCAS
GTIN	4046356029711
Weight per piece (including packing)	98.1 g
Weight per piece (excluding packing)	96.3 g
Customs tariff number	85444290
Country of origin	CN

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## Technical data

### Product properties

Product type	Data cable preassembled
Type	D-SUB
Number of positions	9
Cable outlet	straight

### Insulation characteristics

Overvoltage category	III
Degree of pollution	2

### Interfaces

Signal type/category	Universal
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### Electrical properties

Rated current	1 A
Operating voltage	30 V
Transmission medium	Copper

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	≥ 50
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### Material specifications

Housing material	PVC
Contact material	Copper alloy
Contact surface material	gold-plated
Outer sheath, material	PVC

### Connection data

#### Connection technology

Connection method	D-SUB
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#### Conductor connection

Connection method	D-SUB
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### Connector

#### Connection 1

Type	Socket straight D-SUB 9
Degree of protection	IP20

#### Connection 2

Type	Plug straight D-SUB 9
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Degree of protection	IP20
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## Cable/line

Signal type/category	Universal
Outer sheath, material	PVC
Cable cross section	0.08 mm <sup>2</sup>
AWG signal line	28

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
	IP20
Ambient temperature (operation)	0 °C ... 70 °C

# VS-09-DSUB-20-LI-1,0 - D-SUB cable

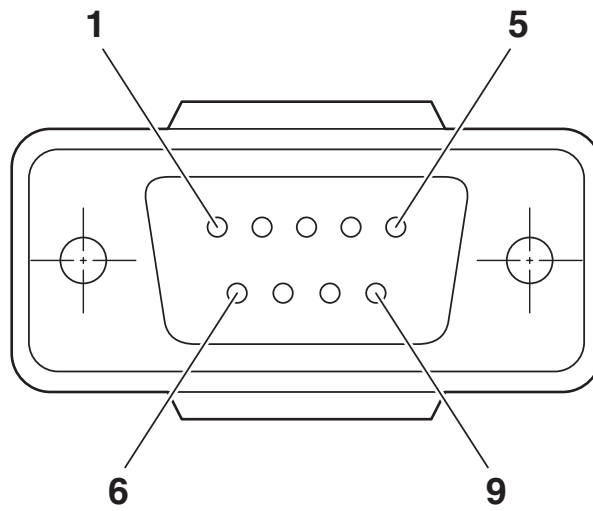
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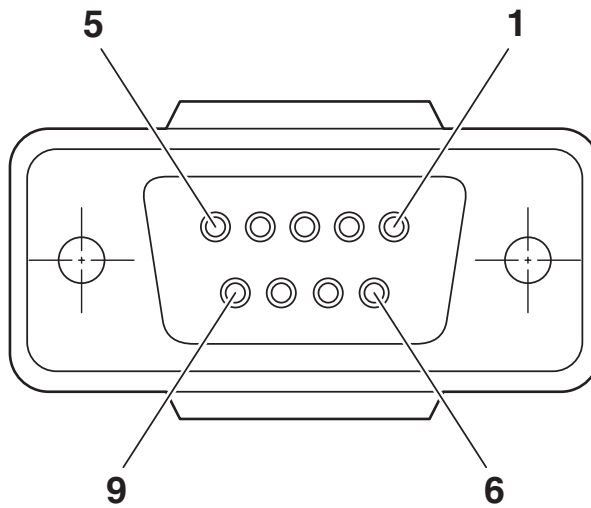
## Drawings

Schematic diagram



Connector pin assignment

Schematic diagram



Pin connector pattern

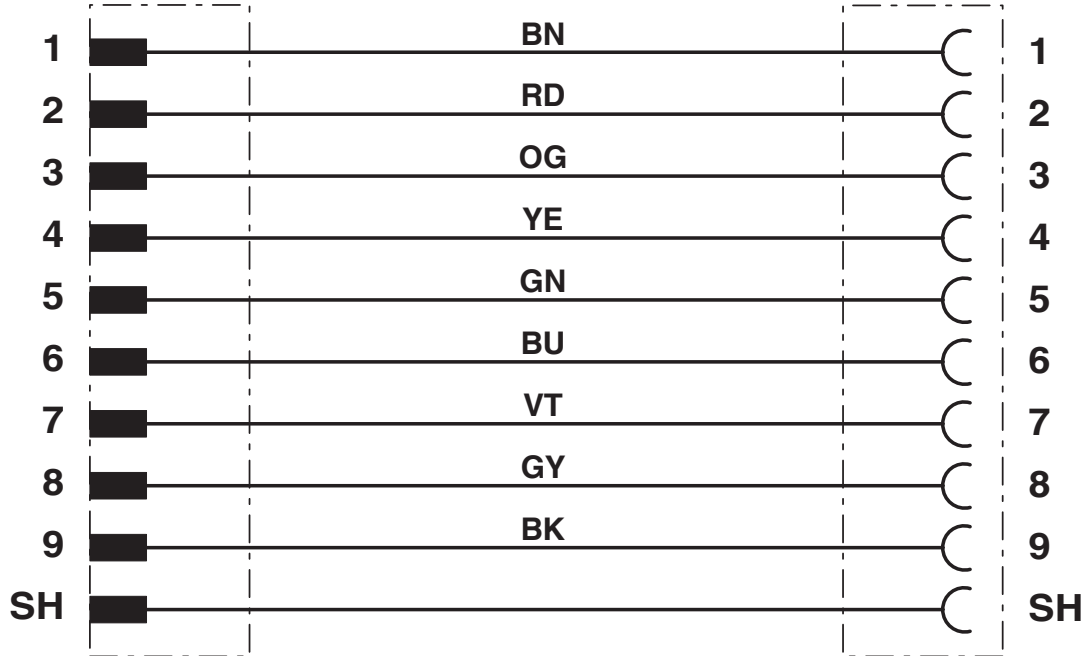
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Circuit diagram



Circuit diagram

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## Classifications

### ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27440322

### ETIM

ETIM 10.0	EC001132
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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### EF3.1 Climate Change

CO2e kg	3.927 kg CO2e
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