

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



1656233

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

1656233

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

## Technical data

### Product properties

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

### Insulation characteristics

Overvoltage category	III
Degree of pollution	2

### Electrical properties

Rated current	1 A
Operating voltage	30 V
Transmission medium	Copper

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	≥ 50
-----------------------------	------

### 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
-------------------	-------

#### Conductor connection

Connection method	D-SUB
-------------------	-------

### Connector

#### Connection 1

Type	Socket straight D-SUB 9
Degree of protection	IP20

#### Connection 2

Type	Plug straight D-SUB 9
Degree of protection	IP20

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



1656233

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

## Cable/line

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

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

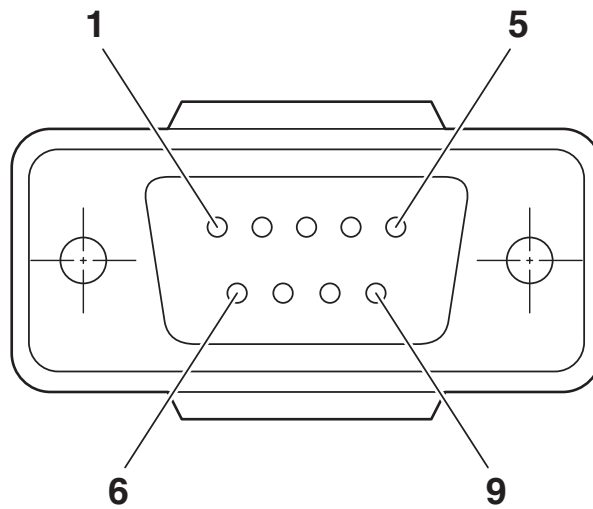
1656233

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



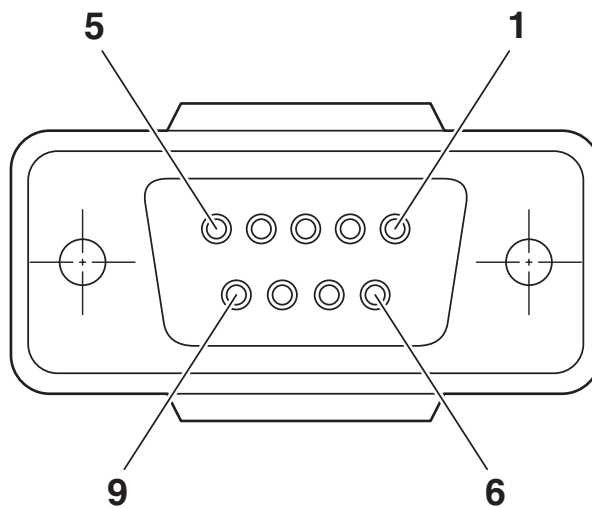
## Drawings

Schematic diagram



Connector pin assignment

Schematic diagram



Pin connector pattern

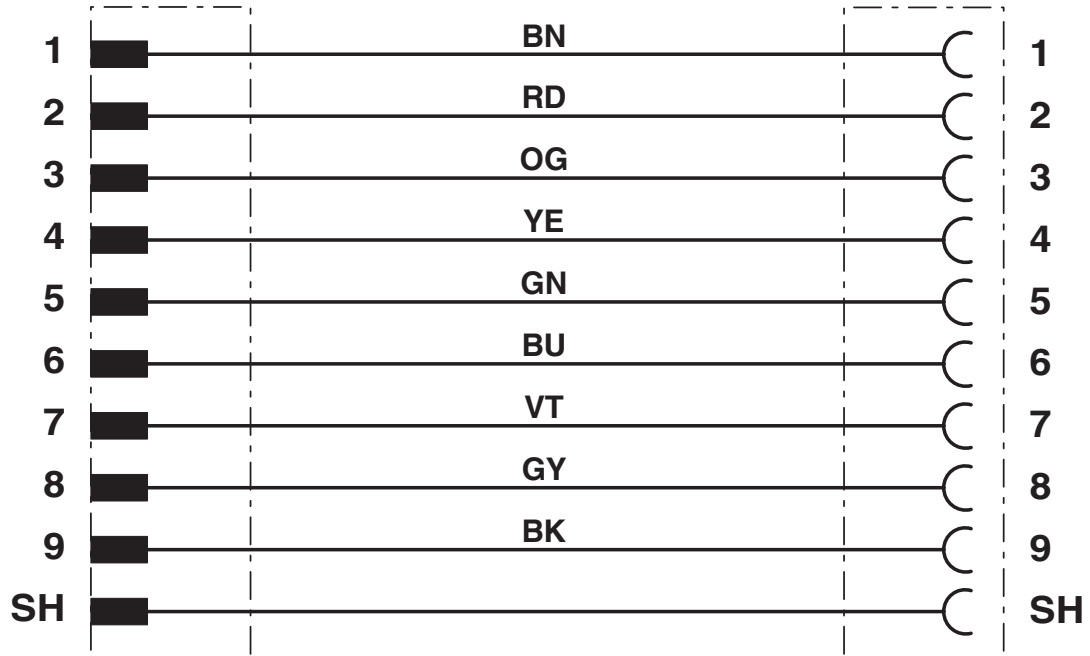
# VS-09-DSUB-20-LI-1,0 - D-SUB cable



1656233

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

Circuit diagram



Circuit diagram

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



1656233

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

## Classifications

### ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27440322

### ETIM

ETIM 10.0	EC001132
-----------	----------

### UNSPSC

UNSPSC 21.0	26121600
-------------	----------

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



1656233

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

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)