

# VS-09-DSUB-20-LI-2,0 - D-SUB cable

1656246

<https://www.phoenixcontact.com/us/products/1656246>



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: 2 m

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1656246       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB19          |
| Product key                          | ABNCAS        |
| GTIN                                 | 4046356029728 |
| Weight per piece (including packing) | 132.66 g      |
| Weight per piece (excluding packing) | 130.66 g      |
| Customs tariff number                | 85444290      |
| Country of origin                    | CN            |

## 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-2,0 - D-SUB cable

1656246

<https://www.phoenixcontact.com/us/products/1656246>



## Cable/line

|                        |          |
|------------------------|----------|
| Outer sheath, material | PVC      |
| Cable cross section    | 0.08 mm² |
| 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-2,0 - D-SUB cable

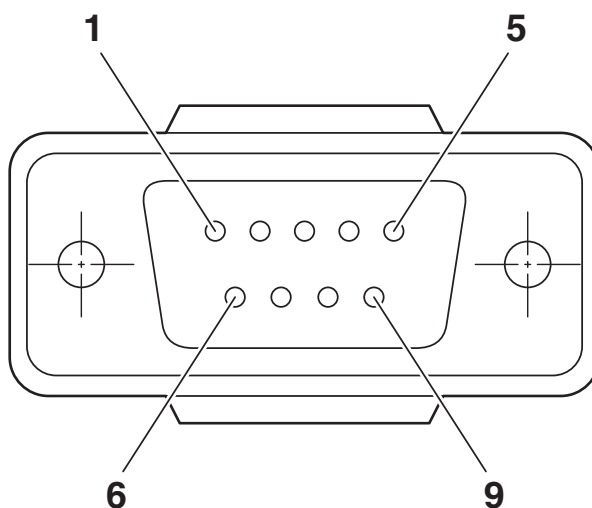
1656246

<https://www.phoenixcontact.com/us/products/1656246>



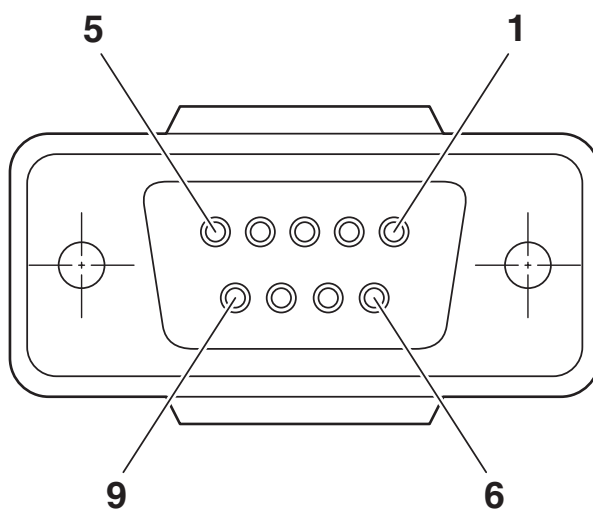
## Drawings

Schematic diagram



Connector pin assignment

Schematic diagram



Pin connector pattern

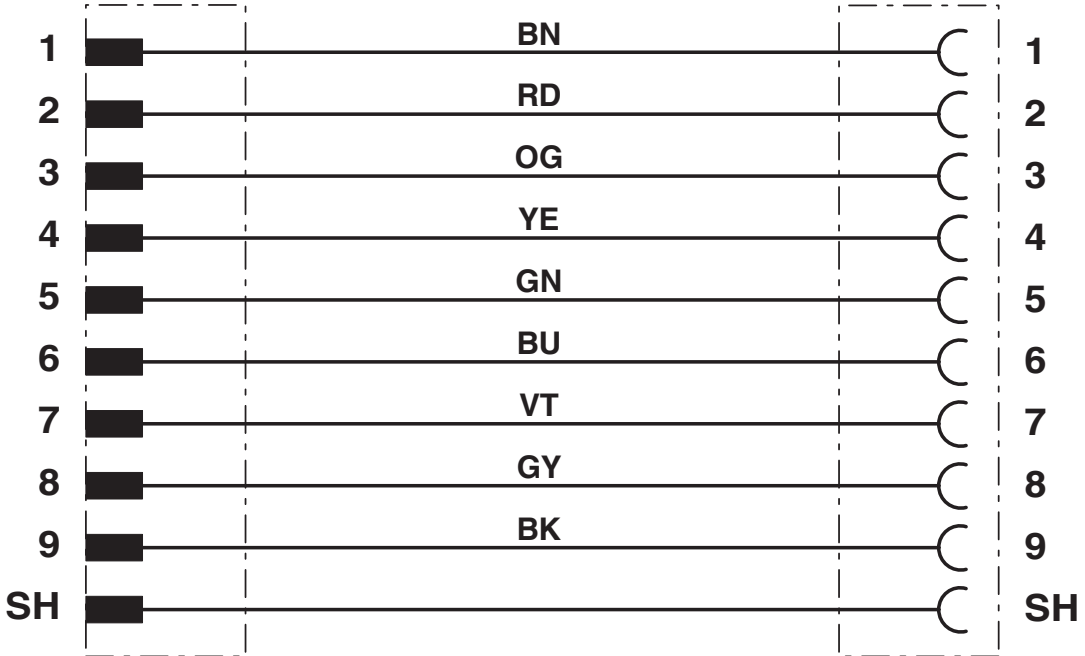
VS-09-DSUB-20-LI-2,0 - D-SUB cable



1656246

<https://www.phoenixcontact.com/us/products/1656246>

Circuit diagram



Circuit diagram

# VS-09-DSUB-20-LI-2,0 - D-SUB cable



1656246

<https://www.phoenixcontact.com/us/products/1656246>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27060307 |
| ECLASS-15.0 | 27440322 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001855 |
|----------|----------|

### UNSPSC

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

# VS-09-DSUB-20-LI-2,0 - D-SUB cable



1656246

<https://www.phoenixcontact.com/us/products/1656246>

## 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 2025 © - 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)