

# PV-1P-500,0/S01-2,5 - Cable reel

1459540

<https://www.phoenixcontact.com/us/products/1459540>



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Cable reel, number of positions: 1, cable length: 500000



## Commercial data

Item number	1459540
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABLBDX
GTIN	4046356618847
Weight per piece (including packing)	25,885 g
Weight per piece (excluding packing)	25,885 g
Country of origin	DE

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## Technical data

### Product properties

Number of positions	1
Shielded	no

### Electrical properties

Nominal current $I_N$	$\leq 41$ A (up to +60 °C)
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### Dimensions

Length	500 m
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### Material specifications

Outer sheath, material	PE-X
Conductor material	Tin-plated Cu litz wires

### Cable/line

Cable length	500 m
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#### PV1-F cables [S01]

Shielded	no
Cable weight	45 kg/km
Cable type	PV1-F cables
Cable type (abbreviation)	S01
External cable diameter	5.00 mm $\pm 0.2$ mm
Outer sheath, material	PE-X
External sheath, color	black-gray RAL 7021
Material, inner sheath	PE-X
Conductor structure, voltage supply	50x 0.25 mm
AWG power supply	14
Thickness, insulation	$\geq 0.50$ mm (Inner sheath)
Cable resistance	8.21 $\Omega$ /m (at 20 °C)
Smallest bending radius, fixed installation	12.5 mm
Smallest bending radius, movable installation	25 mm
Ambient temperature (operation)	-40 °C ... 90 °C

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 90 °C
	to 120 °C (maximum permissible temperature at the conductor)
	to 200 °C (permissible short-circuit temperature - maximum of 5 s)

## Standards and regulations

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Flame resistance	IEC 60332-1-2
Other resistance	Resistance to acids and alkalis
	Resistant to salt water
	Resistant to ozone

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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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