

# PV-1P-500,0/S04-10,0 - Cable reel



1459553

<https://www.phoenixcontact.com/us/products/1459553>

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.

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



## Commercial data

Item number	1459553
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	AB02
Product key	ABLBDX
GTIN	4046356618854
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	DE

# PV-1P-500,0/S04-10,0 - Cable reel



1459553

<https://www.phoenixcontact.com/us/products/1459553>

## Technical data

### Product properties

Number of positions	1
Shielded	no

### Electrical properties

Nominal current $I_N$	$\leq 98$ A (up to +60 °C)
-----------------------	----------------------------

### Dimensions

Length	500 m
--------	-------

### Material specifications

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

### Cable/line

Cable length	500 m
--------------	-------

### PV1-F cables [S04]

Shielded	no
Cable weight	127 kg/km
Cable type	PV1-F cables
Cable type (abbreviation)	S04
External cable diameter	6.90 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	80x 0.40 mm
AWG power supply	8
Thickness, insulation	$\geq 0.50$ mm (Inner sheath)
Cable resistance	1.95 $\Omega$ /m (at 20 °C)
Smallest bending radius, fixed installation	34.5 mm
Smallest bending radius, movable installation	69 mm

## 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

Flame resistance	IEC 60332-1-2
------------------	---------------

# PV-1P-500,0/S04-10,0 - Cable reel



1459553

<https://www.phoenixcontact.com/us/products/1459553>

Other resistance	Resistance to acids and alkalis
	Resistant to salt water
	Resistant to ozone

# PV-1P-500,0/S04-10,0 - Cable reel



1459553

<https://www.phoenixcontact.com/us/products/1459553>

## 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)