

# PV-1P-500,0/S03-6,0 - Cable reel



1787713

<https://www.phoenixcontact.com/us/products/1787713>

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, Range of articles: SUNCLIX, number of positions: 1, cable length: 500000



## Commercial data

Item number	1787713
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABLBDX
GTIN	4046356609388
Weight per piece (including packing)	44,570 g
Weight per piece (excluding packing)	44,570 g
Country of origin	DE

# PV-1P-500,0/S03-6,0 - Cable reel



1787713

<https://www.phoenixcontact.com/us/products/1787713>

## Technical data

### Product properties

Number of positions	1
Shielded	no

### Electrical properties

Nominal current $I_N$	$\leq 70$ 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 [S03]

Shielded	no
Cable weight	80 kg/km
Cable type	PV1-F cables
Cable type (abbreviation)	S03
External cable diameter	5.90 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	84x 0.30 mm
AWG power supply	10
Thickness, insulation	$\geq 0.50$ mm (Inner sheath)
Cable resistance	3.5 $\Omega$ /km (at 20 °C)
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm
Ambient temperature (operation)	-40 °C ... 90 °C -40 °C ... 90 °C -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)
-------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------

# PV-1P-500,0/S03-6,0 - Cable reel



1787713

<https://www.phoenixcontact.com/us/products/1787713>

## Standards and regulations

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

# PV-1P-500,0/S03-6,0 - Cable reel



1787713

<https://www.phoenixcontact.com/us/products/1787713>

## 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)