

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



1459553

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

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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

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## Technical data

### Product properties

Number of positions	1
Shielded	no

### Electrical properties

Nominal current $I_N$	$\leq 98$ 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 [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
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Other resistance	Resistance to acids and alkalis
	Resistant to salt water
	Resistant to ozone

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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%
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