

# PV-1P-100,0/S03-6,0 - Cable reel

1459524

<https://www.phoenixcontact.com/us/products/1459524>



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Cable ring, black PE-X, 1-pos., cable length: 100 m



## Commercial data

Item number	1459524
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABLBDX
GTIN	4046356618823
Weight per piece (including packing)	7,975 g
Weight per piece (excluding packing)	22.22 g
Country of origin	DE

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## Technical data

### Product properties

Number of positions	1
Shielded	no

### Electrical properties

Nominal current $I_N$	$\leq 70$ A (up to +60 °C)
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### Dimensions

Length	100 m
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### Material specifications

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

### Cable/line

Cable length	6 m
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#### 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

### Standards and regulations

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

### 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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