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



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
Catalog page	Page 425 (C-2-2013)
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 <sub>N</sub>	≤ 70 A (up to +60 °C)

#### **Dimensions**

Length	100 m

#### Material specifications

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

#### Cable/line

Cable length	6 m

#### PV1-F cables [S03]

ShieldednoCable weight80 kg/kmCable typePV1-F cablesShort symbolLi2X-2XCable type (abbreviation)S03External cable diameter5.90 mm ±0.2 mmOuter sheath, materialPE-XExternal sheath, colorblack-gray RAL 7021Material, inner sheathPE-XConductor structure, voltage supply84x 0.30 mmAWG power supply10Thickness, insulation≥ 0.50 mm (Inner sheath)Cable resistance3.5 Ω/km (at 20 °C)Smallest bending radius, fixed installation30 mmAmbient temperature (operation)-40 °C 90 °C -40 °C 90 °C		
Cable type       PV1-F cables         Short symbol       Li2X-2X         Cable type (abbreviation)       \$03         External cable diameter       5.90 mm ±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       ≥ 0.50 mm (Inner sheath)         Cable resistance       3.5 Ω/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	Shielded	no
Short symbol       Li2X-2X         Cable type (abbreviation)       \$03         External cable diameter       5.90 mm ±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       ≥ 0.50 mm (Inner sheath)         Cable resistance       3.5 Ω/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         Ambient temperature (operation)       -40 °C 90 °C	Cable weight	80 kg/km
Cable type (abbreviation)       \$03         External cable diameter       5.90 mm ±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       ≥ 0.50 mm (Inner sheath)         Cable resistance       3.5 Ω/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	Cable type	PV1-F cables
External cable diameter  Outer sheath, material  PE-X  External sheath, color  Material, inner sheath  Conductor structure, voltage supply  AWG power supply  Thickness, insulation  Cable resistance  Smallest bending radius, fixed installation  Ambient temperature (operation)  5.90 mm ±0.2 mm  PE-X  External sheath, color  black-gray RAL 7021  84x 0.30 mm  10  10  10  20.50 mm (Inner sheath)  3.5 Ω/km (at 20 °C)  3.5 mm  60 mm  -40 °C 90 °C  -40 °C 90 °C	Short symbol	Li2X-2X
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       ≥ 0.50 mm (Inner sheath)         Cable resistance       3.5 Ω/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	Cable type (abbreviation)	S03
External sheath, colorblack-gray RAL 7021Material, inner sheathPE-XConductor structure, voltage supply84x 0.30 mmAWG power supply10Thickness, insulation≥ 0.50 mm (Inner sheath)Cable resistance3.5 Ω/km (at 20 °C)Smallest bending radius, fixed installation30 mmSmallest bending radius, movable installation60 mmAmbient temperature (operation)-40 °C 90 °C-40 °C 90 °C	External cable diameter	5.90 mm ±0.2 mm
Material, inner sheathPE-XConductor structure, voltage supply84x 0.30 mmAWG power supply10Thickness, insulation≥ 0.50 mm (Inner sheath)Cable resistance3.5 Ω/km (at 20 °C)Smallest bending radius, fixed installation30 mmSmallest bending radius, movable installation60 mmAmbient temperature (operation)-40 °C 90 °C-40 °C 90 °C	Outer sheath, material	PE-X
Conductor structure, voltage supply       84x 0.30 mm         AWG power supply       10         Thickness, insulation       ≥ 0.50 mm (Inner sheath)         Cable resistance       3.5 Ω/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	External sheath, color	black-gray RAL 7021
AWG power supply       10         Thickness, insulation       ≥ 0.50 mm (Inner sheath)         Cable resistance       3.5 Ω/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	Material, inner sheath	PE-X
Thickness, insulation ≥ 0.50 mm (Inner sheath)  Cable resistance 3.5 Ω/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	Conductor structure, voltage supply	84x 0.30 mm
Cable resistance       3.5 Ω/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	AWG power supply	10
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	Thickness, insulation	≥ 0.50 mm (Inner sheath)
Smallest bending radius, movable installation  Ambient temperature (operation)  -40 °C 90 °C  -40 °C 90 °C	Cable resistance	3.5 Ω/km (at 20 °C)
Ambient temperature (operation)  -40 °C 90 °C  -40 °C 90 °C	Smallest bending radius, fixed installation	30 mm
-40 °C 90 °C	Smallest bending radius, movable installation	60 mm
	Ambient temperature (operation)	-40 °C 90 °C
-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
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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