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Especialistas en Automatización

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## Power cable - SAC-5P- 5,0-431/MINFS PWR - 1443527

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Power cable, 5-position, PVC, gray RAL 7001, free cable end, on Socket straight 7/8"-16UNF, Cable length: 5 m, 2.5 mm<sup>2</sup> conductor cross section, For power supply

### Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Robust connectors in size 7/8"-16UNF
- High-performance: connectors and cables with a large conductor cross section for power supply

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 537087

### Technical data

#### Dimensions

Length of cable	5 m
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#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C (Socket)
Degree of protection	IP65
	IP67
	IP68

#### General

Rated current at 40°C	13 A
Rated voltage	600 V
Rated surge voltage	4000 V
Number of positions	5
Insulation resistance	≥ 10 MΩ
Coding	A - standard
Status display	No
Protective circuit/component	Unwired
Overvoltage category	II
Degree of pollution	3

# Power cable - SAC-5P- 5,0-431/MINFS PWR - 1443527

## Technical data

### General

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 5
Insertion/withdrawal cycles	100

### Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	AU
Contact carrier material	PA 66
Material of grip body	TPU
Material, knurls	Zinc die-cast, nickel-plated

### Standards and Regulations

Flame resistance	UL 1581, Sec. 1061 (Cable Flame)
	IEC 60332-1-2
Flammability rating according to UL 94	HB

### Cable

Cable type	PVC gray
Cable type (abbreviation)	431
UL AWM style	21098 (90 °C / 600 V)
Conductor cross section	5x 2.5 mm <sup>2</sup>
AWG signal line	14
Conductor structure, voltage supply	50x 0.25 mm
Wire colors	Black 1, black 2, black 3, black 4, green/yellow
Overall twist	5 cores, twisted
External sheath, color	gray RAL 7001
External cable diameter D	12.1 mm
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	12.5 x D
Cable weight	257 kg/km
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Nominal voltage, cable	600 V
Test voltage, cable	3000 V
Flame resistance	UL 1581, Sec. 1061 (Cable Flame)
	IEC 60332-1-2
Resistance to oil	good oil-resistance
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 90 °C (cable, flexible installation)

# Power cable - SAC-5P- 5,0-431/MINFS PWR - 1443527

## Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27279218
eCl@ss 7.0	27279218
eCl@ss 8.0	27279218

ETIM

ETIM 2.0	EC000830
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

## Approvals

Approvals

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Approvals

EAC

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Ex Approvals

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Approvals submitted

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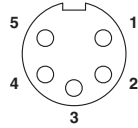
Approval details

EAC
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## Drawings

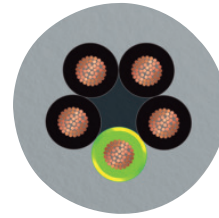
# Power cable - SAC-5P- 5,0-431/MINFS PWR - 1443527

Schematic diagram



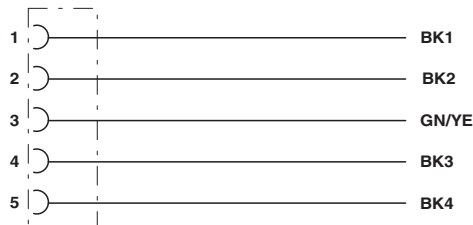
Pin assignment, socket, 7/8"-16UNF, 5-pos., view of female side

Cable cross section



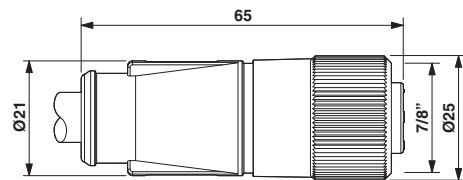
PVC gray [431]

Circuit diagram



Contact assignment of 7/8" socket

Dimensional drawing



7/8"-16UNF socket, straight

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Product	Code	Reference	Product link
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