

## DC power extension cable

Socket 2.5/5.5 | straight plug 2.5/5.5

2×0.52 mm<sup>2</sup> AWG20 | KP256-251-213-xxxx

High-quality low-voltage power cable with a DC Jack connector designed for installation in OEM devices, for repair or service purposes, home automation systems, and consumer electronics. The plastics used ensure durability and flexibility over a wide operating temperature range, while the copper conductors ensure low voltage drop and good electrical contact. Available in a variety of versions, allowing to choose the optimal solution for every application.



### CABLE DESIGN

The cable is manufactured using hot-melt plastic potting, which guarantees mechanical durability and environmental protection. The class 5 stranded copper wire has bare ends and tin-plated terminals for easy installation. The wire connected to the socket center pin is marked with a colored stripe.

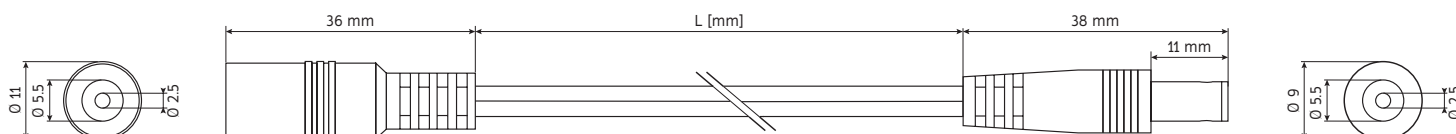
### CONSTRUCTION

Nickel-plated brass DC Jack plug, hot-moulded with PVC. The flat cable is PVC-insulated, two-conductor with a copper strand. The wire connected to the plug center pin is marked with a stripe. The cable end is stripped and tinned with lead-free SnCu07 solder.

### TECHNICAL SPECIFICATION

Group	Parameter	Value				Notes
Product	Cable type	DC extension cable, socket 2.5/5.5 – straight plug 2.5/5.5, 2×0.52 mm <sup>2</sup> AWG20				
	Version	DC extension cable				Hot-molded plastic
	Model	KP256-251-213				
	Type	Flat				Plus wire marked by color
	Intended use	DC power supply				Indoor use
	Cable length	1.5 m	3.0 m	5.0 m	10.0 m	See the „L” parameter in the figure below
	Plug color	Black				
	Wire color	Black				
	Ambient temperature range	-25 to +70°C				
	Certification	CE, RoHS, REACH				
	Warranty	5 years				
	Packaging	100 pcs				
	Country of manufacturing	Poland				
Left side	Type	Socket 2.5/5.5 mm DC Jack				Nickel-plated
	Wire connection	Soldered with lead-free SnCu07				
Right side	Design	Straight plug 2.5/5.5 mm DC Jack				
	Installation	Wire marked with a stripe connected to the plug pin				
Wire	Number of wires in the cable	2				Flat cable, construction as shown
	Wire cross-section	UL2468 AWG 20				0.52 mm <sup>2</sup>
	Wire structure	30×0.18 mm <sup>2</sup> or 24×0.20 mm <sup>2</sup>				
	Wire material	Stranded copper wire				Class 5 copper
	Wire resistance	20 mΩ/m				
	Outer cable dimensions	3.5×2 mm				±0.5 mm
	Cable insulation material	PVC (polyvinyl chloride)				
	Maximum operating voltage	60 V				
	Maximum rated current	3 A				

### TECHNICAL DRAWING



### OPTIONS

Left side	Cable length	Cable type	Right side	Product index	EAN code
DC socket 2.5/5.5	1.5 m	DC power cable, AWG20, 2×0.52 mm <sup>2</sup>	Straight plug 2.5/5.5	KP256-251-213-0150	5904139615003
	3.0 m			KP256-251-213-0300	5904139615010
	5.0 m			KP256-251-213-0500	5904139615027
	10.0 m			KP256-251-213-1000	5904139615034