DC power cable – straight plug 2.5/5.5

DC power cable
Straight plug 2.5/5.5 – tinned ends
2×0.52 mm² AWG20 I KW251-000-213-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.

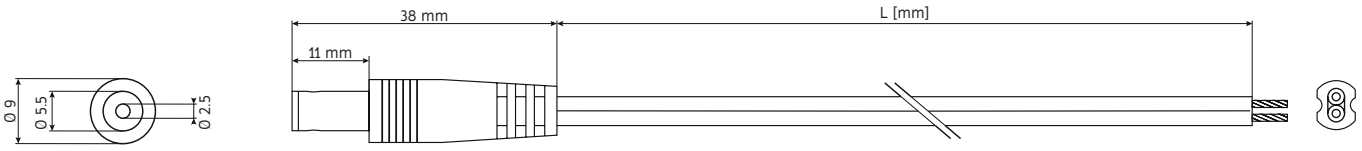
CONSTRUCTION

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 power cable, straight plug 2.5/5.5 – tinned ends, 2×0.52 mm² AWG20	
	Version	Cable-plug	Hot-molded plastic
	Model	KW251-000-213	
	Type	Flat	Plus wire marked by color
	Intended use	DC power supply	Indoor use
	Cable length	0.25 m / 1.5 m / 3.0 m / 5.0 m	See the „L" parameter in the figure below
	Plug color	Black	
	Wire color	Black	
	Ambient temperature range	–25 to +70°C	
	Certyfication	CE, RoHS, REACH	
	Warranty	5 years	
	Packaging	100 pcs	
	Country of manufacturing	Poland	
Left side	Type	Straight plug 2.5/5.5 mm DC Jack	Nickel-plated
	Wire connection	Soldered with lead-free SnCu07	
Right side	Design	5 mm stripped and tinned terminals	
	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 mm²
	Wire structure	30×0.18 mm² or 24×0.20 mm²	
	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
Straight plug 2.5/5.5	0.25 m	DC power cable, AWG20, 2×0.52 mm²	Tinned ends	KW251-000-213-0025	5904139614884
	1.5 m			KW251-000-213-0150	5904139614761
	3.0 m			KW251-000-213-0300	5904139614891
	5.0 m			KW251-000-213-0500	5904139614907