

## AC CABLE

It is a universal 3-core power cable designed for electronic and electrical equipment used indoors, manufactured with Class I protection. The product complies with industry standards and European directive requirements. It features high-quality craftsmanship, durability, flexibility, and the ability to operate within a wide temperature range. Available in multiple versions, allowing for an optimal solution in any situation.



## TECHNICAL CHARACTERISTICS

Group	Parameter	Value
Purpose and functionality	Type	Power cable for electrical and electronic devices
	Model	BDKB - C13/C14 - (xx)M
	Shape	Round
	Safety	Class I insulation (with grounding)
	Color	Black
	Length	1 m   1.5 m   1.8 m   3 m   5 m
	Mounting	Potting assembly
Construction	Number of wires	3
	Wire colors	Brown, blue, yellow-green
	Conductor cross-section	0.75 mm <sup>2</sup>
	Conductor construction	0.75 mm <sup>2</sup> = 24×0.2 mm
	Wire material	Class 5 copper
	Resistance	26 Ω/km
	Insulation thickness (inner/outer)	0.6/0.8 mm
	Outer diameter of the cable	6.5 mm
	Wire insulation material	PVC (polyvinyl chloride)
	Cable insulation material	PVC (polyvinyl chloride)
	Type	H05VV-F
Load capacity	Cable voltage withstand (Uo/U)	300 / 500V
	Rated voltage	250 VAC / 50 Hz
	Rated current	10 A
	Insulation test voltage	2000 VAC
Input connection	Temperature range	-25 to +70°C
	Power plug type	Straight
	Power plug	C14
	Plug contacts	Nickel-plated
Output connection	Plug color	Black
	Device plug	Straight
	Type	C13/C14
Certification	Plug color	Czarny
	Compliance with standards	IEC60227 Cable Mains plug IEC60884-1 Device plug IEC60320-3
	Approval marks	CE, UKCA, RoHS, REACH
Features	Warranty	5 years
	Packing	1.0 m - 100 items   1.8 m - 50 items

**1. POWER PLUG**  
C14 (P1) is a male power connector compliant with the IEC 60320 C14 standard. It features three pins: live (phase), neutral, and protective (ground). It serves as a component of a power cord or extension cable, functioning as the input power connection point. The C14 connector supports a three-wire connection, including live, neutral, and ground conductors, and is intended for use with Class I equipment, which requires grounding. The plug's design, with its specific pin arrangement, prevents incorrect insertion into a compatible C13 socket, ensuring safety and protection.

**2. CABLE**  
A 3-wire cable with flexible insulation made of polyvinyl chloride (PVC) ensures safety and ease of use. Each conductor within the cable is additionally insulated, and the cores are made of multi-stranded copper wire, providing high flexibility. The cable meets the requirements of the IEC60227 standard and is manufactured in black. The outer insulation sheath is resistant to mechanical impact and multiple bending cycles. Detailed technical data, conductor diameters, insulation thicknesses, and copper core parameters are provided in the table.

**3. DEVICE PLUG**  
The C13 (P3) plug is a standardized IEC connector (IEC 60320 C13) and is widely used in medium and high-power electronic devices. It is used in desktop computers, servers, UPS power supplies, desktop power supplies, printers, monitors and RTV/AGD devices. It provides a 3-wire connection (with power earth), intended for devices in protection class I, i.e. requiring grounding. Its design prevents incorrect insertion into the socket, ensuring safety and protection against incorrect inserting.

## MARKING SYSTEM

# BDKAB - C13/C14 - 1.2 M

Manufacturer's code

Power plug C14 (P1)

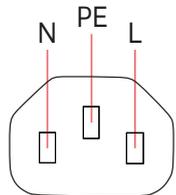
Device plug IEC C13

Length

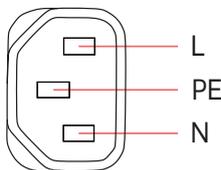
## VARIANTS

C14 (P1)	Length	Conductor cross-section	Device plug C13
		 0.75 mm <sup>2</sup>	
	1 m		
	1.5 m		
	1.8 m		
	3 m		
5 m			

## MECHANICAL SPECIFICATION



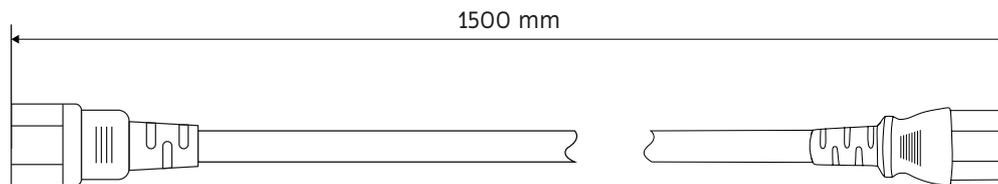
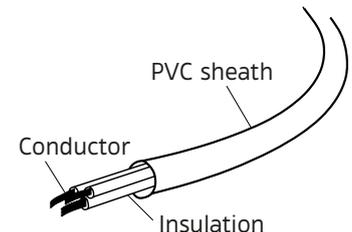
Wiring layout of the power plug



Wiring layout of the device plug



Internal construction



Dimensions and construction

## TYPES OF ELECTRICAL OUTLETS USED AROUND THE WORLD



Type E plugs are used in Belgium, France, Poland, Slovakia, the Czech Republic, Tunisia, and Morocco. The pins of the Type E plug are 19 mm long and are spaced 19 mm apart.

Type F plugs are used in the Netherlands, Germany, Austria, Sweden, Norway, Finland, Portugal, Spain, Turkey, and Eastern Europe. They are also found in some countries in Africa, Asia, and South America.

The most commonly encountered outlet in Europe is the Type F socket, also known as Schuko (from the German "Schutzkontakt"). This variant is similar to Type C but has two metal contacts on the top and bottom to provide contact with the ground. This is also referred to as protective grounding. This plug is round, with bulges on the left and right sides.

## AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-C13/C14-1.0M	Power cable 1m IEC C13 [10A] - IEC C14 [10A]; H05VV-F 3×0.75mm <sup>2</sup>	1	5904139602997
BDKAB-C13/C14-1.5M	Power cable 1.5m IEC C13 [10A] - IEC C14 [10A]; H05VV-F 3×0.75mm <sup>2</sup>	1.5	
BDKAB-C13/C14-1.8M	Power cable 1.8m IEC C13 [10A] - IEC C14 [10A]; H05VV-F 3×0.75mm <sup>2</sup>	1.8	5904139603000
BDKAB-C13/C14-3.0M	Power cable 3.0m IEC C13 [10A] - IEC C14 [10A]; H05VV-F 3×0.75mm <sup>2</sup>	3.0	
BDKAB-C13/C14-5.0M	Power cable 5.0m IEC C13 [10A] - IEC C14 [10A]; H05VV-F 3×0.75mm <sup>2</sup>	5.0	

