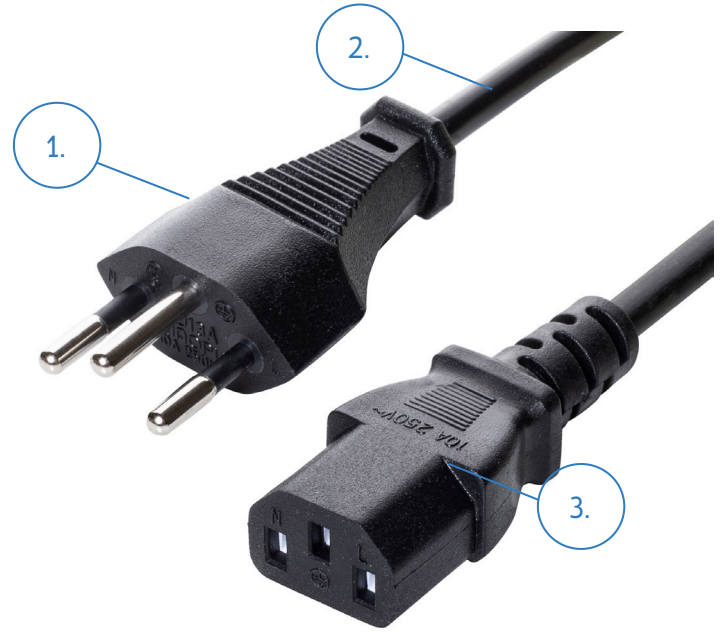


## AC CABLE

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 - BRA - P3 - xxM
	Shape	Round
	Safety	Class I insulation (with grounding)
	Color	Black
	Length	1.2 m   1.5 m   1.8 m   3 m   5 m
	Mounting	Potting assembly
Design	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
Cable voltage withstand (Uo/U)	300 / 500V	
Load capacity	Rated voltage	250 VAC / 50 Hz
	Rated current	10 A
	Insulation test voltage	2000 VAC
	Temperature range	-25 to +70°C
Input connection	Power plug type	Straight
	Mains plug	NBR 14136
	Standard	BRA
	Plug contacts	Nickel-plated
Output connection	Device plug	Straight
	Type	C13
	Plug color	Black
Certification	Compliance with standards	IEC60227 Cable Mains plug IEC60884-1 Device plug IEC60320-7
	Approval marks	CE, RoHS, REACH
Features	Warranty	5 years
	Packing	50 items

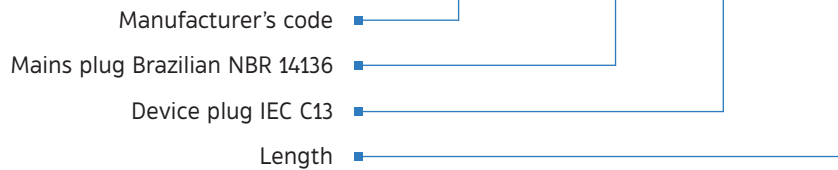
**1. MAINS PLUG**  
The mains plug (BRA) NBR 14136 is a grounding connection used in Brazil and complies with the NBR 14136 standard. It is compatible with type N sockets that fit a plug with three round-shape contacts. The plug has three pins: two round for the phase and neutral wires and one round grounding pin. Thanks to the protective contact, it is intended for devices requiring grounding and meeting protection class I. The rated current capacity of the plug is 10 A at 250 VAC. The plug pins are nickel-plated, which ensures reliable electrical contact and protection against corrosion. The wire is secured using the hot plastic casting method, which guarantees mechanical and environmental durability.

**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

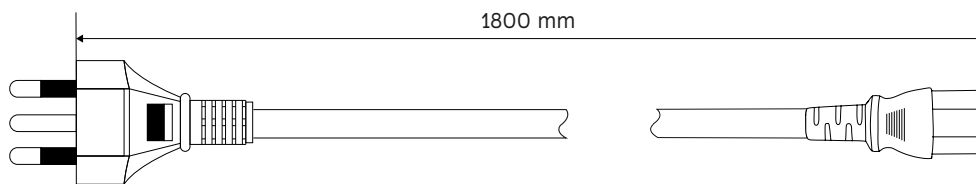
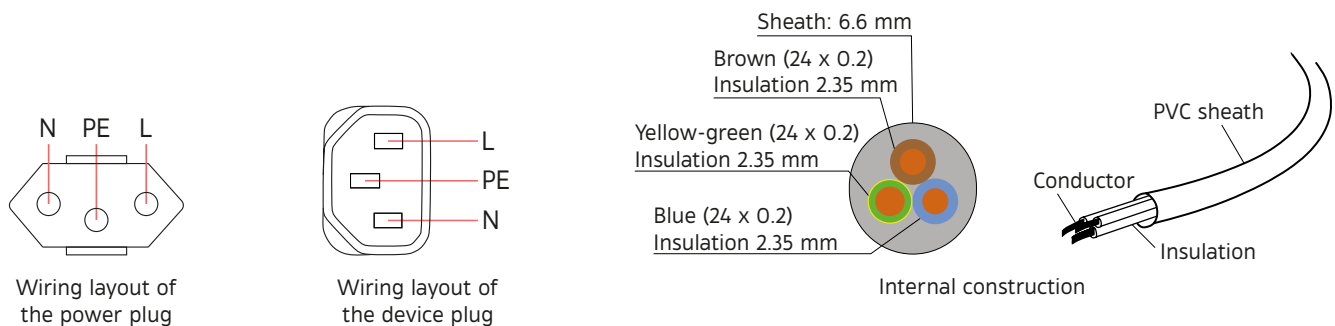
**BDKAB - BRA - P3 - 1.2 M**



## VARIANTS

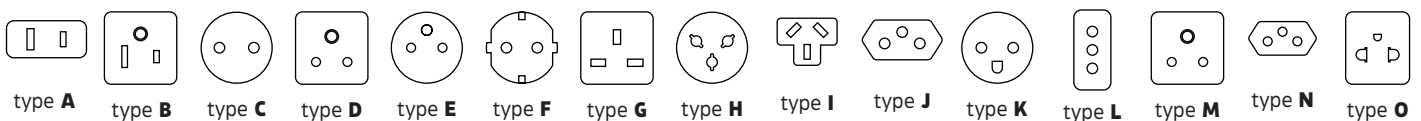
Mains plug NBR 14136	Length	Conductor cross-section	Device plug C13
	1.2 m		
	1.5 m		
	1.8 m		
	3 m		
5 m			

## MECHANICAL SPECIFICATION



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-BRA-P3-1.2M	Power cable 1.2m NBR 14136 (BRA) [10A] - IEC C13 [10A]; H05VV-F 3×0.75mm <sup>2</sup>	1.2	
BDKAB-BRA-P3-1.5M	Power cable 1.5m NBR 14136 (BRA) [10A] - IEC C13 [10A]; H05VV-F 3×0.75mm <sup>2</sup>	1.5	
BDKAB-BRA-P3-1.8M	Power cable 1.8m NBR 14136 (BRA) [10A] - IEC C13 [10A]; H05VV-F 3×0.75mm <sup>2</sup>	1.8	5904139602959
BDKAB-BRA-P3-3.0M	Power cable 3.0m NBR 14136 (BRA) [10A] - IEC C13 [10A]; H05VV-F 3×0.75mm <sup>2</sup>	3.0	
BDKAB-BRA-P3-5.0M	Power cable 5.0m NBR 14136 (BRA) [10A] - IEC C13 [10A]; H05VV-F 3×0.75mm <sup>2</sup>	5.0	

