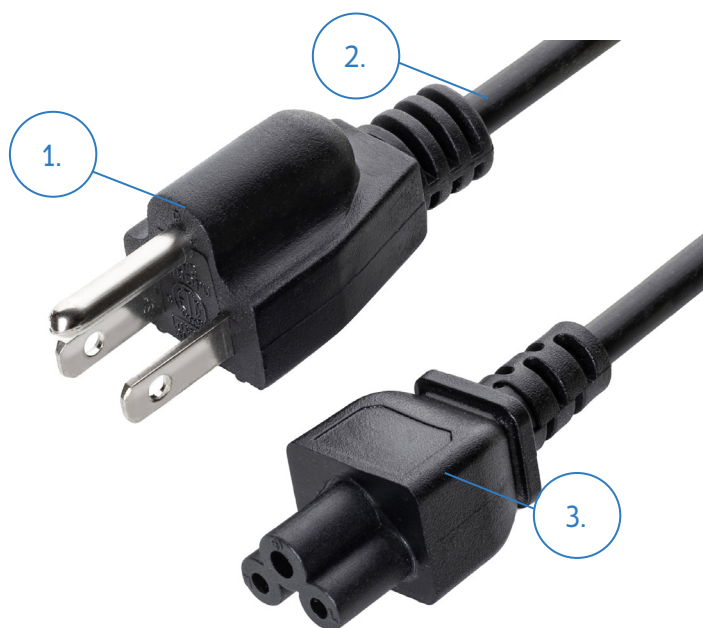


## AC CABLE

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 - US - M3 - 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	18AWG 2×0.823mm <sup>2</sup>
	Conductor construction	0.823 mm <sup>2</sup> = 41×0.16 mm
	Wire material	Class 5 copper
	Resistance	23 Ω/km
	Insulation thickness (inner/outer)	0.6/0.6 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 / 500 V
	Rated voltage	120 VAC 60Hz
	Rated current	2.5 A
	Insulation test voltage	2000 VAC
Input connection	Temperature range	-25 to +70°C
	Power plug type	Straight
	Mains plug	NEMA 5-15P
	Standard	USA
Output connection	Plug contacts	Nickel-plated
	Plug color	Black
	Device plug	Straight
	Type	C5
Certification	Plug color	Black
	Compliance with standards	IEC60227 Cable Mains plug IEC60884-1 Device plug IEC60320-5
	Approval marks	CE, RoHS, REACH
Features	Warranty	5 years
	Packing	50 items

### MAINS PLUG

**1.** The NEMA 5-15P (USA) mains plug is a grounded connection compatible with type A sockets, commonly found in the USA, Canada, Mexico and Japan. It is compatible with type B sockets, commonly found in the USA, Canada, Mexico and some other countries. The plug has two flat pins: one for the live wire, the other for the neutral wire and a round grounding pin located below. It is designed for devices requiring grounding made in protection class I. The rated load of the plug is 15 A / 125 V. Nickel-plated pins provide reliable electrical contact and environmental protection. The wire is secured using the hot plastic casting method, which guarantees mechanical and environmental durability.

### CABLE

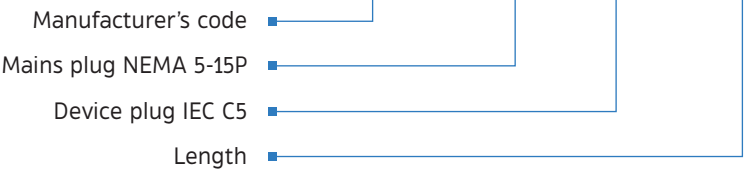
**2.** A 3-wire cable with flexible insulation made of polyvinyl chloride (PVC) ensures safety and ease of use. Each conductor within the cable is additionally insulated, and the cores are made of multi-stranded copper wire, providing high flexibility. The cable meets the requirements of the IEC60227 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.

### DEVICE PLUG





**3.** C5 (M3) Plug is standardized by IEC (IEC 60320 C5) and widely used in electronic equipment with lower power requirements. It is used in portable power supplies, laptops, projectors, portable speakers, DVD players and RTV and household appliances. The C5 plug performs a 3-wire connection (with grounding), intended for devices in protection class I, i.e. requiring PE. Its design, with three round pins, prevents incorrect insertion into the socket, which ensures safety of use.

MARKING SYSTEM

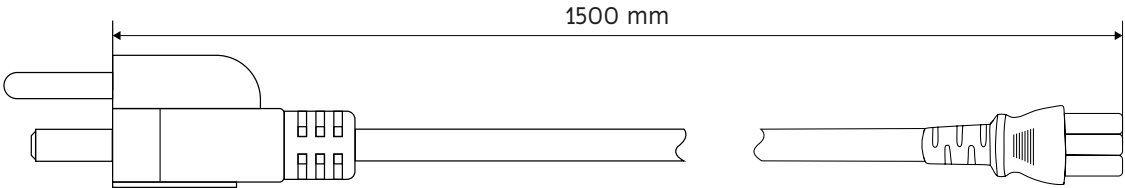
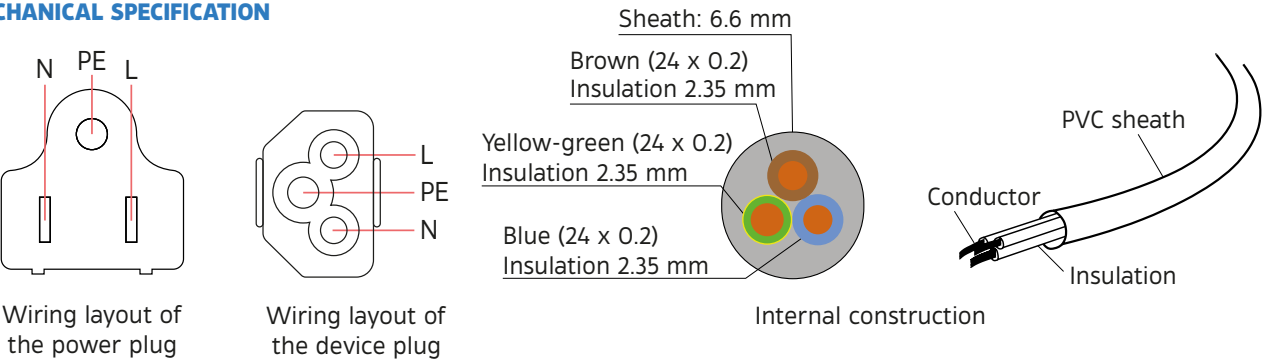
**BDKAB - US - M3 - 1.2 M**



VARIANTS

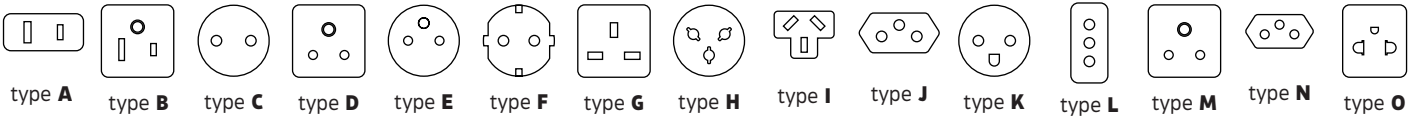
Mains plug NEMA 5-15P	Length	Conductor cross-section	Device plug IEC C5
		 18AWG 2×0.823mm <sup>2</sup>	
	1.2 m		
	1.5 m		
	1.8 m		
	3 m		
	5 m		

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-US-M3-1.2M	Power cable 1.2m NEMA 5-15P (USA) [15A] UL - IEC IEC C5 [2.5A]; SVT 3C 18AWG 3×0.823mm <sup>2</sup>	1.2	
BDKAB-US-M3-1.5M	Power cable 1.5m NEMA 5-15P (USA) [15A] UL - IEC IEC C5 [2.5A]; SVT 3C 18AWG 3×0.823mm <sup>2</sup>	1.5	5904139602911
BDKAB-US-M3-1.8M	Power cable 1.8m NEMA 5-15P (USA) [15A] UL - IEC IEC C5 [2.5A]; SVT 3C 18AWG 3×0.823mm <sup>2</sup>	1.8	5904139602928
BDKAB-US-M3-3.0M	Power cable 3.0m NEMA 5-15P (USA) [15A] UL - IEC IEC C5 [2.5A]; SVT 3C 18AWG 3×0.823mm <sup>2</sup>	3.0	
BDKAB-US-M3-5.0M	Power cable 5.0m NEMA 5-15P (USA) [15A] UL - IEC IEC C5 [2.5A]; SVT 3C 18AWG 3×0.823mm <sup>2</sup>	5.0	

