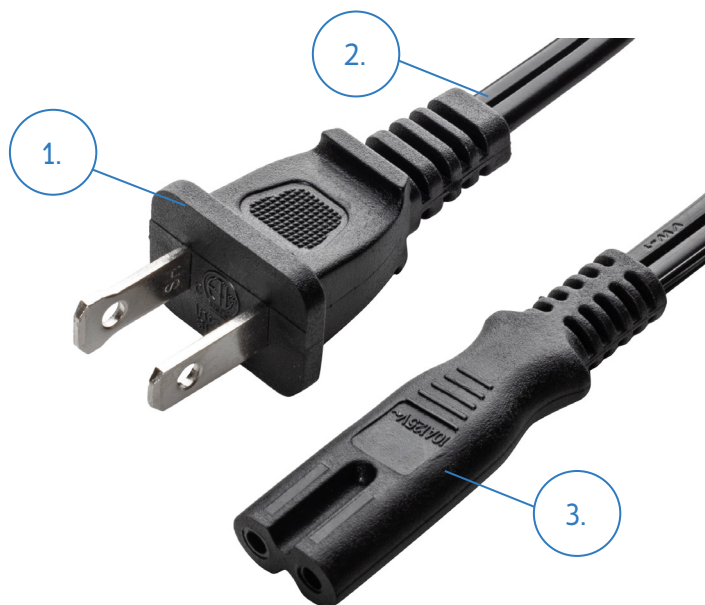


AC CABLE

It is a universal 2-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 - T2 - xxM
	Shape	Flat
	Safety	Class II insulation (without grounding)
	Color	Black
	Length	1.2 m 1.5 m 1.8 m 3 m 5 m
	Mounting	Potting assembly
Design	Number of wires	2
	Wire colors	Brown, blue
	Conductor cross-section	018AWG 2×0.823 mm ²
	Conductor construction	0.823 mm ² = 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	3.4×6.8 mm 3.7×7.2 mm
	Wire insulation material	PVC (polyvinyl chloride)
	Cable insulation material	PVC (polyvinyl chloride)
	Type	H03VVH2-F
Load capacity	Cable voltage withstand (Uo/U)	300 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 1-15
	Standard	USA
	Plug contacts	Nickel-plated
Output connection	Plug color	Black
	Device plug	Straight
	Type	C7
Certification	Plug color	Black
	Compliance with standards	Kabel IEC60227 Wtyczka sieciowa IEC60884-1 Wtyczka urządzenia IEC60320-4
Features	Approval marks	CE, RoHS, REACH
	Warranty	5 years
	Packing	1.2m; 1.5m; 1.8m - 100 items 3.0m - 50 items

1.

MAINS PLUG
The NEMA 1-15 (USA) mains plug is a groundless connection compatible with type A sockets, commonly found in the USA, Canada, Mexico and Japan. The plug has two parallel flat pins - one for the live wire, the other for the neutral. In polarized versions, one of the pins is wider, which prevents reverse connection. Due to the lack of a grounding, it is intended only for devices in protection class II (with reinforced insulation). The rated load is 15 A at 125 V. 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.

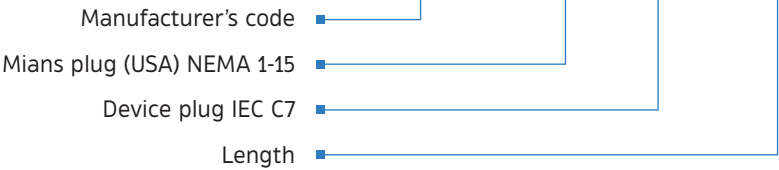
CABLE
A 2-wire cable with flexible insulation made of polyvinyl chloride (PVC) ensures safety and ease of use. Each conductor within the cable is additionally insulated, and the cores are made of multi-stranded copper wire, providing high flexibility. The cable meets the requirements of the IEC60227 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
C7 (T2) Plug is standardized by IEC (IEC 60320 C7) and widely used in electronic equipment with lower power requirements. It is used in desktop power supplies, printers, monitors, DVD players, televisions, as well as RTV and household appliances. The C7 plug performs a 2-wire connection (without grounding) and is intended for devices in protection class II that do not require PE. Its design is compact, which allows for easy and convenient connection to devices with standard sockets.

MARKING SYSTEM

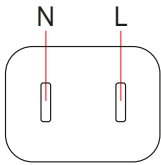
BDKAB - US - T2 - 1.2 M



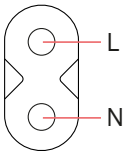
VARIANTS

Mains plug NEMA 1-15	Length	Conductor cross-section	Device plug IEC C7
		 18AWG 2×0.823mm²	
	1.2 m		
	1.5 m		
	1.8 m		
	3 m		
	5 m		

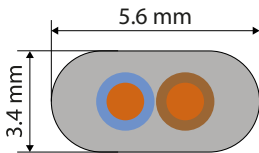
MECHANICAL SPECIFICATION



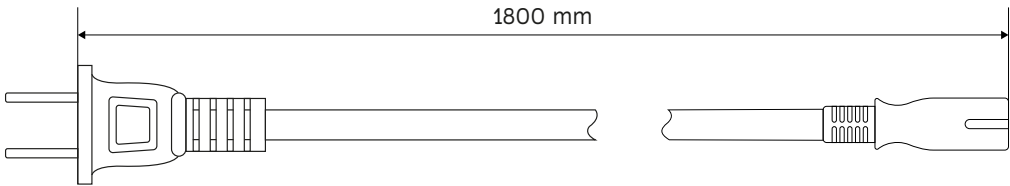
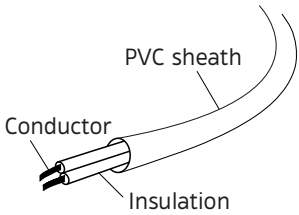
Wiring layout of the power plug



Wiring layout of the device plug

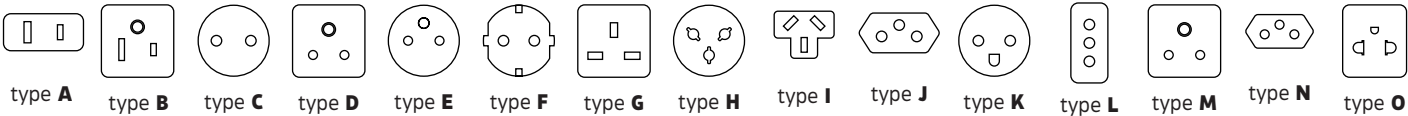


Internal construction



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-US-T2-1.2M	Power cable 1.2m NEMA 1-15 (USA) [15A] UL - IEC C7 [2.5A]; NISPT-2 VW1 18AWG 2×0.823mm ²	1.2	
BDKAB-US-T2-1.5M	Power cable 1.5m NEMA 1-15 (USA) [15A] UL - IEC C7 [2.5A]; NISPT-2 VW1 18AWG 2×0.823mm ²	1.5	
BDKAB-US-T2-1.8M	Power cable 1.8m NEMA 1-15 (USA) [15A] UL - IEC C7 [2.5A]; NISPT-2 VW1 18AWG 2×0.823mm ²	1.8	5904139602935
BDKAB-US-T2-3.0M	Power cable 3.0m NEMA 1-15 (USA) [15A] UL - IEC C7 [2.5A]; NISPT-2 VW1 18AWG 2×0.823mm ²	3.0	5904139602942
BDKAB-US-T2-5.0M	Power cable 5.0m NEMA 1-15 (USA) [15A] UL - IEC C7 [2.5A]; NISPT-2 VW1 18AWG 2×0.823mm ²	5.0	

