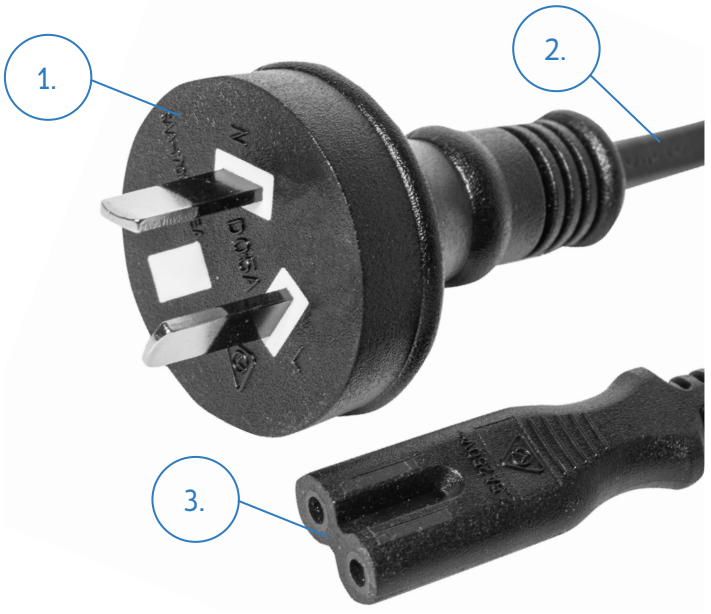
AC CABLE - BDKAB-AUS-T2

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 - AUS - 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	0.75 mm^2				
	Conductor construction	0.75 mm^2 = 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	3.4×5.6 mm				
	Wire insulation material	PVC (polyvinyl chloride)				
	Cable insulation material	PVC (polyvinyl chloride)				
	Type	H03WW-F				
	Cable voltage withstand (Uo/U)	300 V				
Load capacity	Rated voltage	250 VAC / 50 Hz				
	Rated current	2.5 A				
	Insulation test voltage	2000 VAC				
	Temperature range	–25 to +70°C				
Input connection	Power plug type	Straight				
	Mains plug	AS/NZS3112:2011				
	Standard	AUS				
	Plug contacts	Nickel-plated				
	Plug color	Black				
Output connection	Device plug	Straight				
	Type	C7				
	Plug color	Black				
Certification	Compliance with standards	IEC60227 Cable Mains plug IEC60884-1 Device plug IEC60320-5				
	Approval marks	CE, RoHS, REACH				
Features	Warranty	5 years				
	Packing	100 items				

1.

MAINS PLUG
The AS/NZS 3112:2011 (AUS) [7.5A] mains plug is a non-earthed connection used in Australia, New Zealand, and countries using the AS/NZS 3112 standard. It is compatible with type I sockets, which fit two- and three-pin versions . The plug has two obliquely positioned flat pins - one for the phase wire, the other for the neutral. Due to no grounding, it is intended only for devices in protection class II (with reinforced insulation). The rated load capacity is 7.5 A at a voltage of 230-240 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 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

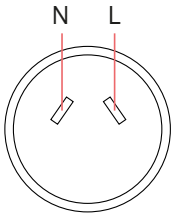
BDKAB - AUS - T2 - 1.2 M

- BDKAB – Manufacturer's code
- AUS – Mains plug Australian (AS/NZS 3112:2011)
- T2 – Device plug IEC C7
- 1.2 M – Length

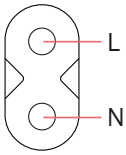
VARIANTS

Mains plug AS/NZS3112:2011	Length	Conductor cross-section	Device plug IEC C7
	1.2 m	0.75 mm²	
	1.5 m		
	1.8 m		
	3 m		
	5 m		

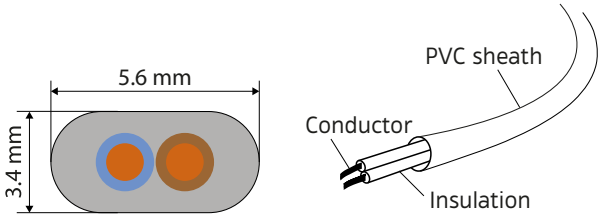
MECHANICAL SPECIFICATION



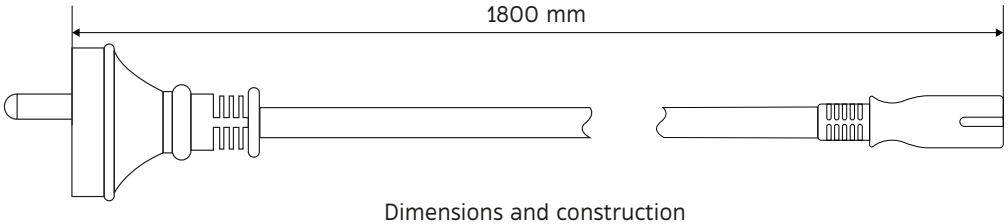
Wiring layout of the power plug



Wiring layout of the device plug

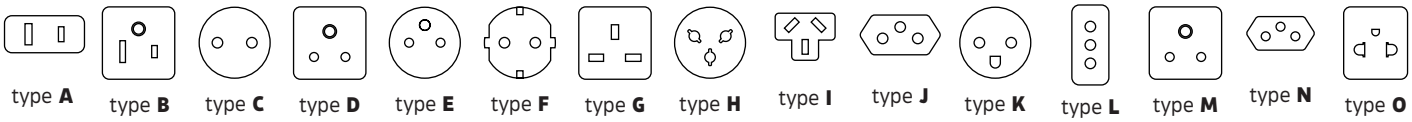


Internal construction



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-AUS-T2-1.2M	Power cable 1.2m AS/NZS3112:2011 (AUS) [7.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm²	1.2	
BDKAB-AUS-T2-1.5M	Power cable 1.5m AS/NZS3112:2011 (AUS) [7.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm²	1.5	5904139603116
BDKAB-AUS-T2-1.8M	Power cable 1.8m AS/NZS3112:2011 (AUS) [7.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm²	1.8	
BDKAB-AUS-T2-3.0M	Power cable 3.0m AS/NZS3112:2011 (AUS) [7.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm²	3.0	
BDKAB-AUS-T2-5.0M	Power cable 5.0m AS/NZS3112:2011 (AUS) [7.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm²	5.0	