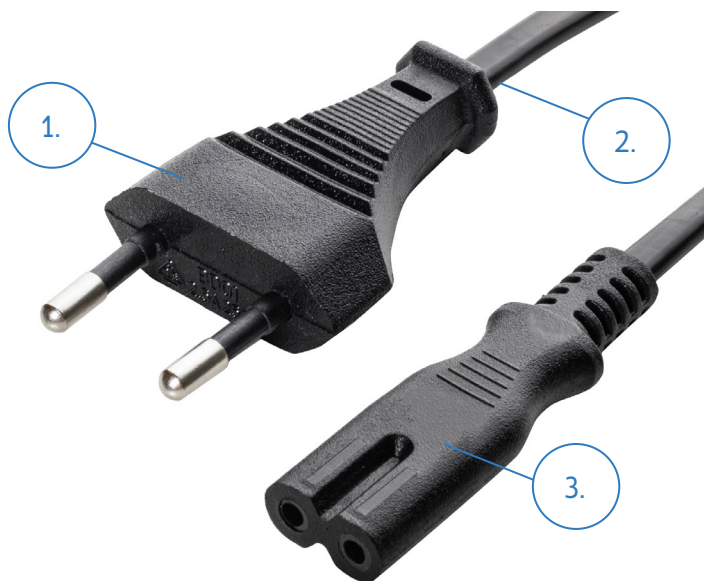


## AC CABLE

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	W-BDKAB/BDKAB - EU - T2 - xxM
	Shape	Flat
	Safety	Class II insulation (without grounding)
	Color	Black / White
	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 <sup>2</sup>   standard execution
		0.5 mm <sup>2</sup>   *special execution
		*for: W-BDKAB/BDKAB-EU-T2-1.2M
	Conductor construction	0.5 mm <sup>2</sup> = 16×0.2 mm or 0.75 mm <sup>2</sup> = 24×0.2 mm
	Wire material	Class 5 copper
	Resistance	39 Ω/km; 26 Ω/km - for 0.75 mm <sup>2</sup>
	Insulation thickness (inner/outer)	0.5/0.6 mm; 0.6/0.8 mm - for 0.75 mm <sup>2</sup>
	Outer diameter of the cable	3.2×5.2 mm; 3.4×5.6 mm - for 0.75 mm <sup>2</sup>
	Wire insulation material	PVC (polyvinyl chloride)
	Cable insulation material	PVC (polyvinyl chloride)
Load capacity	Type	H03VVH2-F
	Cable voltage withstand (U <sub>0</sub> /U)	300 / 500V
	Rated voltage	250 VAC / 50 Hz
	Rated current	2.5 A
	Insulation test voltage	2000 VAC
Input connection	Temperature range	-25 to +70°C
	Power plug type	Straight
	Mains plug	CEE 7/16 (C/E/F)
	Standard	European
	Plug contacts	Nickel-plated
Output connection	Plug color	Black / White
	Device plug	Straight
	Type	C7
Certification	Plug color	Black / White
	Compliance with standards	IEC60227 Cable Mains plug IEC60884-1 Device plug IEC60320-1
Features	Approval marks	CE, RoHS, REACH
	Warranty	5 years
	Packing	1.2m; 1.5m; 1.8m - 100 items   3.0m; 5.0m - 50 items

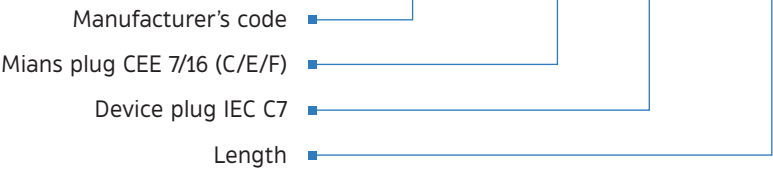
**1. MAINS PLUG**  
The CEE 7/16 (C/E/F) standard mains plug is a mains connection without grounding, compatible with C, E (French) and F (Schuko, German) type mains sockets. It is mainly used in devices with low current consumption (up to 2.5 A). Due to no grounding, it is dedicated only for devices in protection class II (i.e. with reinforced insulation). Its slim and flat design makes it easy to connect in hard-to-reach places. The plug pins are nickel-plated, which ensures reliable electrical contact and provides protection against corrosion. The cable is secured by hot-melt plastic, 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

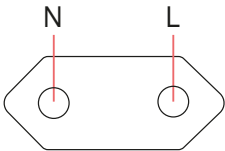
BDKAB - EU - T2 - 1.2 M



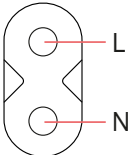
VARIANTS

Mains plug CEE 7/16 (C/E/F)	Length	Conductor cross-section		Device plug IEC C7
				
	1.2 m	0.75 mm²	0.5 mm²	
	1.5 m	standard execution	special execution for: W-BDKAB/ BDKAB-EU-T2-1.2M	
	1.8 m			
	3 m			
	5 m			

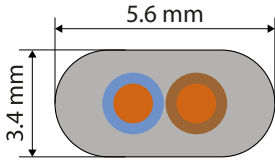
MECHANICAL SPECIFICATION



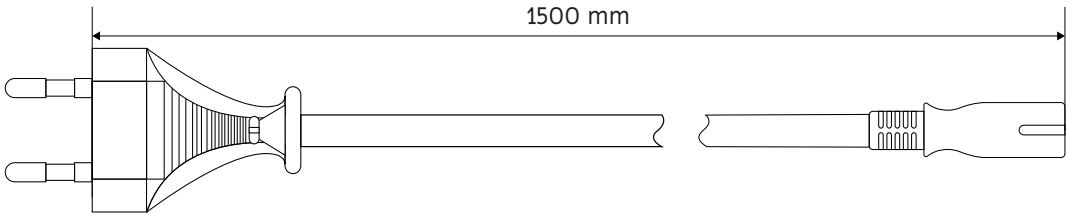
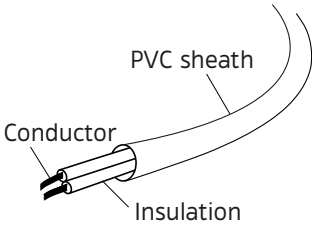
Wiring layout of the power plug



Wiring layout of the device plug

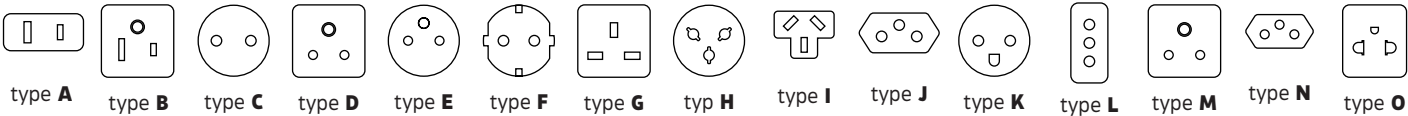


Internal construction



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-EU-T2-1.2M	Power cable 1.2m CEE 7/16 (C/E/F) (EU) [2.5A]; H03VVH2-F 2×0.5mm <sup>2</sup>	1.2	5904139602805
BDKAB-EU-T2-1.5M	Power cable 1.5m CEE 7/16 (C/E/F) (EU) [2.5A]; H03VVH2-F 2×0.75mm <sup>2</sup>	1.5	5904139602812
BDKAB-EU-T2-1.8M	Power cable 1.8m CEE 7/16 (C/E/F) (EU) [2.5A]; H03VVH2-F 2×0.75mm <sup>2</sup>	1.8	5904139602829
BDKAB-EU-T2-3.0M	Power cable 3.0m CEE 7/16 (C/E/F) (EU) [2.5A]; H03VVH2-F 2×0.75mm <sup>2</sup>	3.0	5904139602836
BDKAB-EU-T2-5.0M	Power cable 5.0m CEE 7/16 (C/E/F) (EU) [2.5A]; H03VVH2-F 2×0.75mm <sup>2</sup>	5.0	5904139602843
W-BDKAB-EU-T2-1.2M	Power cable 1.2m CEE 7/16 (C/E/F) (EU) [2.5A]; H03VVH2-F 2×0.5mm <sup>2</sup> white	1.2	5904139606254
W-BDKAB-EU-T2-1.5M	Power cable 1.5m CEE 7/16 (C/E/F) (EU) [2.5A]; H03VVH2-F 2×0.75mm <sup>2</sup> white	1.5	
W-BDKAB-EU-T2-1.8M	Power cable 1.8m CEE 7/16 (C/E/F) (EU) [2.5A]; H03VVH2-F 2×0.75mm <sup>2</sup> white	1.8	5904139606261
W-BDKAB-EU-T2-3.0M	Power cable 3.0m CEE 7/16 (C/E/F) (EU) [2.5A]; H03VVH2-F 2×0.75mm <sup>2</sup> white	3.0	5904139606278
W-BDKAB-EU-T2-5.0M	Power cable 5.0m CEE 7/16 (C/E/F) (EU) [2.5A]; H03VVH2-F 2×0.75mm <sup>2</sup> white	5.0	5904139606285

