



FLAT MAINS CORD

Cable description

Flat mains cables are flexible power cables with a flat profile, designed for applications requiring a low-profile, easily concealable, or space-saving cable. These cables are commonly used in domestic and commercial settings for power distribution and in applications like lighting, appliances, and temporary setups where cables need to lie flat along surfaces without causing obstruction.

Flat main cables are an efficient solution for installations where space is limited or a low-profile appearance is necessary, providing reliable power distribution while minimizing visible or physical obstructions.

Technical Data

Specifications:	IEC60227
 Temperature Range: -10°C to 70°C	 Voltage Rating: 300 / 300 V
Core Identification:	2 Core – Blue and Brown
Sheath Colours	Black and White

Part Number	Conductor Size	Voltage	Conductor Resistance @ 70°C Maximum	Current Rating (A)	Volt Drop (mV / A/m)	Approx. Overall Diameter
			(Ω/km)		1ΦV	(mm)
FM50F02	0.50mm ²	300 /300 V	39Ω	3	93	3.1 x 50
FM75F02	0.75mm ²	300 /300 V	26Ω	6	62	3.8 x 6.1

Applications

- Domestic power supply and extension cords
- Wiring for lighting fixtures and small appliances
- Temporary power distribution for events or exhibitions
- Situations requiring cables to be routed under carpets or along floors
- Concealed wiring in tight spaces

Key Features

Flat Profile: The flat design allows these cables to fit snugly under carpets, along walls, or between surfaces, reducing tripping hazards and making them ideal for discreet installations.

Flexibility and Ease of Handling: Constructed to offer moderate flexibility, flat mains cables can be routed efficiently and maintain their shape, making them well-suited for temporary and permanent installations.

Durable Insulation: Insulated with materials such as PVC, which provides excellent protection against electrical faults, moisture, and abrasion for safe usage.

Colour-Coded Conductors: These cables often feature colour-coded conductors within the insulation, simplifying installation and reducing the risk of wiring errors.

Temperature and Voltage Ratings: Generally rated for standard household and commercial voltage requirements, flat mains cables are suitable for everyday electrical applications.