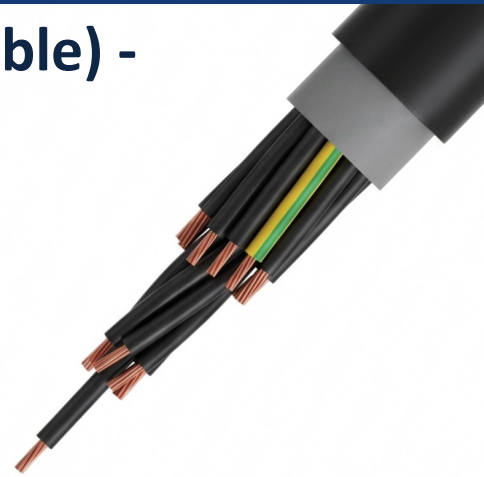


# PVC Insulated Control Cable (KVV Cable) - 450/750V GB/T 9330

Farwalk's PVC Insulated Control Cables are the foundational nervous system of industrial automation. Designed with high-density multi-core configurations, they provide flawless transmission of critical commands and sensory data between control panels, machinery, and automated production lines.



## Applications

Universally deployed in manufacturing plants, power station control rooms, conveyor systems, and CNC machinery setups. Because they are unarmoured and utilize a soft PVC jacket, they offer excellent bending flexibility, making them the standard choice for routing through indoor cable trays, wall trunking, and tight control cabinets where severe mechanical impact is not a primary threat.

## Description

Manufactured to GB/T 9330 and IEC 60227 standards. The conductors are plain annealed copper (Class 1 solid or Class 2 stranded). The cores are insulated with premium PVC, clearly identifiable via numerical printing (Number Coded) or distinct color coding. The cores are stranded together in concentric layers and protected by a durable, oil-resistant PVC outer sheath.

## Specifications

- **Voltage Rating: 450/750V (or 0.6/1kV)**
- **Conductor: Pure Copper (Solid or Stranded)**
- **Core Count: 2 Cores up to 61 Cores**
- **Cross Section: 0.5 mm<sup>2</sup> to 10 mm<sup>2</sup>**
- **Standards: GB/T 9330 (KVV), IEC 60227**

# Farwalk Cable — PVC Insulated Control Cable (KVV Cable)

## Complete Technical Tables

### PVC Control Cable (KVV) - Small Core Counts (0.75 mm<sup>2</sup> to 2.5 mm<sup>2</sup>)

No. of Cores x Cross Section (mm <sup>2</sup> )	Nominal Conductor Dia. (mm)	Nominal Insulation Thick. (mm)	Nominal Sheath Thick. (mm)	Approx. Overall Dia. (mm)	Max. DC Resistance @ 20° C (Ω/km)
<b>450/750V PVC Unarmoured Control Cable (Stranded Copper)</b>					
2 x 0.75	1.13	0.6	1.2	7.5	24.5
3 x 0.75	1.13	0.6	1.2	8.0	24.5
4 x 0.75	1.13	0.6	1.2	8.6	24.5
5 x 0.75	1.13	0.6	1.2	9.4	24.5
7 x 0.75	1.13	0.6	1.2	10.0	24.5
2 x 1.5	1.56	0.7	1.2	8.5	12.1
3 x 1.5	1.56	0.7	1.2	9.0	12.1
4 x 1.5	1.56	0.7	1.2	9.8	12.1
5 x 1.5	1.56	0.7	1.2	10.6	12.1
7 x 1.5	1.56	0.7	1.2	11.5	12.1
2 x 2.5	2.01	0.8	1.2	10.0	7.41
3 x 2.5	2.01	0.8	1.2	10.5	7.41
4 x 2.5	2.01	0.8	1.2	11.5	7.41
5 x 2.5	2.01	0.8	1.2	12.5	7.41
7 x 2.5	2.01	0.8	1.2	13.6	7.41

### High-Density PVC Control Cable (KVV) - Number Coded

No. of Cores x Cross Section (mm <sup>2</sup> )	Nominal Conductor Dia. (mm)	Nominal Insulation Thick. (mm)	Nominal Sheath Thick. (mm)	Approx. Overall Dia. (mm)	Max. DC Resistance @ 20° C (Ω/km)
<b>450/750V High-Density Control Cable (Number Coded Cores)</b>					
10 x 1.5	1.56	0.7	1.5	14.5	12.1
14 x 1.5	1.56	0.7	1.5	15.8	12.1
19 x 1.5	1.56	0.7	1.5	17.5	12.1
24 x 1.5	1.56	0.7	1.7	20.2	12.1
30 x 1.5	1.56	0.7	1.7	21.5	12.1
37 x 1.5	1.56	0.7	1.7	23.2	12.1
44 x 1.5	1.56	0.7	1.9	26.5	12.1
61 x 1.5	1.56	0.7	2.1	30.5	12.1
19 x 2.5	2.01	0.8	1.7	21.5	7.41
37 x 2.5	2.01	0.8	1.9	28.5	7.41