

PVC Insulated Control Cable GB/T 9330

Control cable for signal, control and instrumentation circuits

PVC Insulated Control Cable GB/T 9330 is prepared for preliminary product selection and quotation review. This product is used for control, monitoring and signal circuits where core number, conductor size, shielding, flame performance and installation environment affect cable selection.



VOLTAGE

450/750V

CONDUCTOR

Copper conductor route, confirmed by technical table

TYPICAL USE

Control panels

STANDARDS

GB/T 9330-2020

DATA SCOPE

2 technical table(s) included for preliminary selection

SELECTION NOTE

Confirm cores, conductor size, screen/armour, sheath and installation route.

For quotation review, provide cable type, standard, size, quantity and project destination.

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Application & Selection Summary

Typical applications

- Control panels
- instrumentation circuits
- industrial automation
- substation control systems
- building services and process equipment control wiring.

Selection logic

- Confirm core number, conductor size, shielding or armour requirement, flame-retardant requirement and installation environment.
- Project standards should be reviewed before final cable confirmation.

Construction Overview

Item	Website-ready content
Product route	Multi-core copper conductor with insulation, optional screen or armour and outer sheath according to the selected cable type.
Voltage	450/750V
Conductor	Copper conductor route, confirmed by technical table
Standards	GB/T 9330-2020
Confirmation	Final structure, dimensions and packing should follow selected standard, quotation review and order specification.

Readable Data Index

Data route	Size / rating range	Construction	Diameter / OD	Resistance / weight / rating
GB/T 9330 KVV Control Cable (Stranded Copper)	2 x 1.5 - 7 x 2.5	2 x 1.5 - 7 x 2.5	8.5 - 13.6	12.1 - 7.41
GB/T 9330 High-Density KVV Control Cable (Number Coded Cor	10 x 1.5 - 61 x 1.5	10 x 1.5 - 61 x 1.5	14.5 - 30.5	12.1

Data boundary: these tables support website launch, quotation review and preliminary product selection. For project execution, final dimensions, electrical performance, packing and compliance documents should be confirmed against the selected project standard and order specification.

GB/T 9330 KVV Control Cable (Stranded Copper)

Reference table for preliminary selection and quotation review.

No. of Cores x Cross Section (mm ²)	Nominal Conductor Dia. (mm)	Nominal Insulation Thick. (mm)	Nominal Sheath Thick. (mm)	Approx. Overall Dia. (mm)	Max. DC Resistance @ 20°C (Ω/km)
GB/T 9330 KVV Control Cable (Stranded Copper)					
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

GB/T 9330 High-Density KVV Control Cable (Number Coded Cores)

Reference table for preliminary selection and quotation review.

No. of Cores x Cross Section (mm ²)	Nominal Conductor Dia. (mm)	Nominal Insulation Thick. (mm)	Nominal Sheath Thick. (mm)	Approx. Overall Dia. (mm)	Max. DC Resistance @ 20°C (Ω/km)
GB/T 9330 High-Density KVV Control Cable (Number Coded Cores)					
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