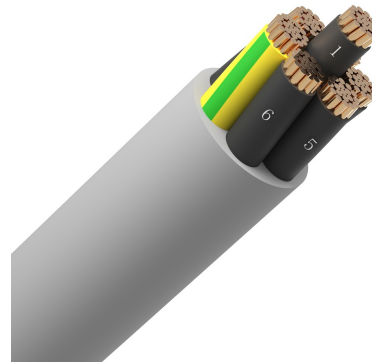


Control Cable DIN Standard

Control cable for signal, control and instrumentation circuits

Control Cable DIN Standard 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

300/500V, 0.6/1kV

CONDUCTOR

Copper conductor route, confirmed by technical table

TYPICAL USE

Control panels

STANDARDS

VDE 0250; VDE 0281; VDE 0276

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	300/500V, 0.6/1kV
Conductor	Copper conductor route, confirmed by technical table
Standards	VDE 0250; VDE 0281; VDE 0276
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
300/500V NYSLY Control Cable (Flexible Copper Class 5 - VD	2 x 1.5 - 34 x 1.5	2 x 1.5 - 34 x 1.5	7.5 - 21.5	85 - 820
0.6/1kV NYY-J Control Cable (Solid/Stranded Copper - VDE 0	2 x 1.5 - 30 x 1.5	2 x 1.5 - 30 x 1.5	10.5 - 22.5	160 - 840

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.

300/500V NYSLY Control Cable (Flexible Copper Class 5 - VDE 0281)

Reference table for preliminary selection and quotation review.

No. of Cores x Cross Section (mm ²)	Conductor Class	Nominal Insulation Thick. (mm)	Nominal Sheath Thick. (mm)	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)
300/500V NYSLY Control Cable (Flexible Copper Class 5 - VDE 0281)					
2 x 1.5	5	0.6	0.8	7.5	85
3 x 1.5	5	0.6	0.9	8.0	105
4 x 1.5	5	0.6	0.9	8.7	130
7 x 1.5	5	0.6	1.0	10.5	195
12 x 1.5	5	0.6	1.2	13.5	310
18 x 1.5	5	0.6	1.2	15.8	440
25 x 1.5	5	0.6	1.4	18.8	610
34 x 1.5	5	0.6	1.4	21.5	820

0.6/1kV NYY-J Control Cable (Solid/Stranded Copper - VDE 0276)

Reference table for preliminary selection and quotation review.

No. of Cores x Cross Section (mm ²)	Conductor Class	Nominal Insulation Thick. (mm)	Nominal Sheath Thick. (mm)	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)
0.6/1kV NYY-J Control Cable (Solid/Stranded Copper - VDE 0276)					
2 x 1.5	1	0.8	1.8	10.5	160
3 x 1.5	1	0.8	1.8	11.0	185
4 x 1.5	1	0.8	1.8	11.5	210
7 x 1.5	1	0.8	1.8	13.0	285
10 x 1.5	1	0.8	1.8	15.5	380
14 x 1.5	1	0.8	1.8	16.5	460
19 x 1.5	1	0.8	1.8	18.5	580
24 x 1.5	1	0.8	1.8	21.0	710
30 x 1.5	1	0.8	1.8	22.5	840