



Cu/PVC/STA/PVC 0,6/1 (1,2) kV (NYBY) Control Cable

DESCRIPTION:

Control cable 0,6/1 kV with Cu conductors,
PVC insulated, STA and PVC sheathed

CABLE STRUCTURE:

Conductor:

[re] Round solid conductor

[rm] Circular stranded conductor

Insulation: PVC

Filler: PVC

Armour:

Galvanized steel tape helically applied

Out Sheath:

PVC or FR-PVC type ST2/ST8, black

STANDARDS:

European standards:

IEC 60502-1, VDE 0276-603, IS 1516.1

Flame retardant according to IEC 60332-1

Indonesia standards:

Conductor SNI IEC 60228, SPLN 41-1,

insulation SNI IEC 60502 - 1;

PVC Sheath grade ST2 to IEC 60502-1,
grade YM/2 to SPLN 41-2. Black colour.

TECHNICAL DATA:

Voltage Rating U_0/U 0.6/1kV

Test Voltage 3.5kV

Temperature Rating

Maximum Operating: +70°C

Maximum Short-Circuit: +160°C

Minimum Bending Radius

12 × overall diameter

CODE DESIGNATION: NYBY

APPLICATION:

Control cable for installations as underground,
outdoor, indoor, inducts and where mechanical
protection is required or for higher tensile stresses
during installation and operation

CERTIFICATES:

We hold SAA, CE, TUV and CCC certifications for
our product categories. Additionally, we possess
other authoritative certifications recognized in
various countries and regions. For further details
on our certification portfolio, please do not
hesitate to contact us.





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Specifications

Nom.Cross- section Area	Nominal Thickness		overall diameter	cable Weight	DC Resistance at 20°C Insulation min	Current Carrying Capacity at 30°C	
	Insulation	Outer Sheath				In Air	In Ground
mm ²	mm	mm	mm	km/kg	M. Ω.km	A	
7×1.5 re	0.8	1.8	15.9	458	12	17	13
7×1.5 rm	0.8	1.8	16.4	483	11	17	13
8×1.5 re	0.8	1.8	16.9	508	12	16	12
8×1.5 rm	0.8	1.8	17.5	537	11	16	12
10×1.5 re	0.8	1.8	18.8	609	12	15	11
10×1.5 rm	0.8	1.8	19.6	642	11	15	11
12×1.5 re	0.8	1.8	19.3	657	12	14	11
12×1.5 rm	0.8	1.8	20.1	695	11	14	11
14×1.5 re	0.8	1.8	20.2	721	12	13	10
14×1.5 rm	0.8	1.8	20.9	763	11	13	10
16×1.5 re	0.8	1.8	21.0	785	12	12	10
16×1.5 rm	0.8	1.8	21.8	831	11	12	10
19×1.5 re	0.8	1.8	22.0	857	12	12	9
19×1.5 rm	0.8	1.8	22.8	907	11	12	9
21×1.5 re	0.8	1.8	22.7	924	12	11	9
21×1.5 rm	0.8	1.8	23.7	972	11	11	9
24×1.5 re	0.8	1.8	24.2	1027	12	11	8
24×1.5 rm	0.8	1.8	25.3	1087	11	11	8
30×1.5 re	0.8	1.8	26.0	1205	12	11	8
30×1.5 rm	0.8	1.8	27.2	1277	11	11	8
40×1.5 re	0.8	1.9	28.6	1488	12	11	8
40×1.5 rm	0.8	1.9	30.1	1577	11	11	8



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	Insulation	Outer Sheath				In Air	In Ground
mm ²	mm	mm	mm	km/kg	M. Ω.km	A	
52 × 1.5 re	0.8	2.0	32.3	1871	12	11	8
52 × 1.5 rm	0.8	2.0	33.9	1882	11	11	8
61 × 1.5 re	0.8	2.0	34.0	2110	12	11	8
61 × 1.5 rm	0.8	2.0	36.6	2428	11	11	8
7 × 2.5 re	0.8	1.8	17.0	561	10	23	13
7 × 2.5 rm	0.8	1.8	17.8	597	9	23	13
8 × 2.5 re	0.8	1.8	18.1	624	10	21	12
8 × 2.5 rm	0.8	1.8	19.0	666	9	21	12
10 × 2.5 re	0.8	1.8	20.3	752	10	20	11
10 × 2.5 rm	0.8	1.8	21.4	803	9	20	11
12 × 2.5 re	0.8	1.8	21.8	822	10	18	11
12 × 2.5 rm	0.8	1.8	22.0	878	9	18	11
14 × 2.5 re	0.8	1.8	21.7	909	10	17	10
14 × 2.5 rm	0.8	1.8	230	971	9	17	10
16 × 2.5 re	0.8	1.8	22.7	996	10	17	10
16 × 2.5 rm	0.8	1.8	24.0	1063	9	17	10
19 × 2.5 re	0.8	1.8	23.7	1097	10	16	9
19 × 2.5 rm	0.8	1.8	25.0	1164	9	16	9
21 × 2.5 re	0.8	1.8	24.8	1188	10	15	9
21 × 2.5 rm	0.8	1.8	26.1	1267	9	15	9
24 × 2.5 re	0.8	1.8	26.2	1327	10	14	8
24 × 2.5 rm	0.8	1.8	26.3	1415	9	14	8
30 × 2.5 re	0.8	1.9	27.9	1472	10	14	8
30 × 2.5 rm	0.8	1.9	28.4	1677	9	14	8
40 × 2.5 re	0.8	2.0	31.4	1965	10	14	8
40 × 2.rm	0.8	2.0	33.4	2095	9	14	8
52 × 2.5 re	0.8	2.2	36.2	2722	10	14	8
52 × 2.5 rm	0.8	2.2	38.5	2904	9	14	8
61 × 2.5 re	0.8	2.2	39.1	3144	10	14	8
61 × 2.5 rm	0.8	2.2	40.6	3278	9	14	8