



Cu/PVC/SWA/PVC 0.6/1 kV (NYRGbY) Control Cable

DESCRIPTION:

Copper Conductor PVC Insulated and
PVC Sheathed Steel Wire Armoured Control Cable

CABLE STRUCTURE:

Conductor:

Annealed plain copper round solid or round
circular stranded

[re] Round solid conductor

[rm] Circular stranded conductor

Insulation: PVC

Filler: PVC

Armour:

A layers of Galvanized round steel wires
with a counter helix layer of galvanized steel tape

Sheath:

PVC or FR-PVC type STI/ST2, black

STANDARDS:

European standards:

IEC 60502-1, VDE 0271, IS 1516.1

Flame retardant according to EN 60332-1

Indonesia standards:

Conductor SNI IEC 60228

PVC Insulation SNI IEC 60502-1

PVC Sheath Grade STI to SNI IEC 60502-1.

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

CODE DESIGNATION: NYRGbY

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.

APPLICATION:

For general purpose power distribution
in dry or wet location, best suitable for
direct burying in ground





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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	MΩ/km	A	
7×1.5 re	0.8	1.8	18.6	727	12	17	13
7×1.5 rm	0.8	1.8	19.2	777	11	17	13
8×1.5 re	0.8	1.8	19.7	792	12	16	12
8×1.5 rm	0.8	1.8	20.3	848	11	16	12
10×1.5 re	0.8	1.8	21.7	929	12	15	11
10×1.5rm	0.8	1.8	22.6	997	11	15	11
12×1.5 re	0.8	1.8	23	1117	12	14	11
12×1.5rm	0.8	1.8	23.8	1199	11	14	11
14×1.5 re	0.8	1.8	24	1197	12	13	10
14×1.5rm	0.8	1.8	24.7	1287	11	13	10
16×1.5 re	0.8	1.8	25	1310	12	12	10
16×1.5rm	0.8	1.8	25.6	1382	11	12	10
19×1.5 re	0.8	1.8	26	1391	12	12	9
19×1.5rm	0.8	1.8	26.6	1504	11	12	9
21×1.5 re	0.8	1.8	27	1496	12	11	9
21×1.5 rm	0.8	1.8	27.7	1611	11	11	9
24×1.5 re	0.8	1.8	28.2	1629	12	11	8
24×1.5rm	0.8	1.8	29.3	1766	11	11	8
30×1.5 re	0.8	1.8	30	1857	12	11	8
30×1.5rm	0.8	1.8	31.4	2020	11	11	8
40×1.5 re	0.8	1.9	33.7	2420	12	11	8
40×1.5 rm	0.8	1.9	35.2	2635	11	11	8
52×1.5 re	0.8	2.1	37.6	2932	12	11	8
52×1.5 rm	0.8	2.1	39.3	3190	11	11	8
61×1.5 re	0.8	2.1	39.5	3215	12	11	8
61×1.5 rm	0.8	2.1	41.3	3518	11	11	8



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	Insulation	Outer Sheath				In Air	In Ground
mm ²	mm	mm	mm	km/kg	MΩ/km	A	
7×2.5 re	0.8	1.8	19.7	848	10	26	21
7×2.5 rm	0.8	1.8	20.6	918	9	26	21
8×2.5 re	0.8	1.8	21	928	10	23	18
8×2.5rm	0.8	1.8	21.8	1007	9	23	18
10×2.5 re	0.8	1.8	24	1228	10	21	17
10×2.5rm	0.8	1.8	25.2	1332	9	21	17
12×2.5 re	0.8	1.8	24.6	1317	10	20	16
12×2.5rm	0.8	1.8	25.7	1431	9	20	16
14×2.5 re	0.8	1.8	25.4	1421	10	18	15
14×2.5 rm	0.8	1.8	26.7	1548	9	18	15
16×2.5 re	0.8	1.8	26.9	1561	10	17	14
16×2.5 rm	0.8	1.8	27.7	1671	9	17	14
19×2.5 re	0.8	1.8	27.5	1675	10	17	13
19×2.5 rm	0.8	1.8	28.9	1833	9	16	13
21×2.5 re	0.8	1.8	28.6	1800	10	16	12
21×2.5 rm	0.8	1.8	30.2	1973	9	15	12
24×2.5 re	0.8	1.8	30.4	1980	10	15	11
24×2.5 rm	0.8	1.8	31.9	2173	9	14	11
30×2.5 re	0.8	1.9	32.5	2280	10	14	11
30×2.5rm	0.8	1.9	35.5	2823	9	14	11
40×2.5 re	0.8	2.0	37.3	3167	10	14	11
40×2.5rm	0.8	2.0	39.5	3389	9	14	11
52×2.5 re	0.8	2.1	41.6	3704	10	14	11
52×2.5 rm	0.8	2.1	43.2	4002	9	14	11
61×2.5 re	0.8	2.2	43.9	4121	10	14	11
61×2.5 rm	0.8	2.2	46.3	4970	9	14	11