



Cu/PVC/CWS/PVC 0.6/1 kV (NYCY) Control Cable

DESCRIPTION:

Copper Conductor PVC Insulated, Concentric
Copper wire Screened & PVC Sheathed 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

Shield:

Annealed copper wire with transverse helix
of Annealed copper tape

Sheath:

PVC or FR-PVC type ST1/ST2, black

CODE DESIGNATION: NYCY

APPLICATION:

For indoor installation, in power and switching
stations. As underground cable, for difficult
installation where the low weight
is particularly advantageous

STANDARDS:

European standards:

VDE 0276-603, VDE 0276-627 (25 cores)

Flame Retardant:

VDE 0482-332-1-2/IEC 60332-1-2

UV Resistant HD 308

Indonesia standards:

Conductor SNI IEC 60228

PVC Insulation SNI IEC 60502-1

PVC Sheath Grade ST1 to SNI IEC 60502-1

TECHNICAL DATA:

Voltage Rating U_0/U 0.6/1kV

Test Voltage 4kV

Temperature Rating

Maximum Operating: +70°C

Maximum Short-Circuit: +250°C

Minimum Bending Radius

15 × overall diameter

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	MΩ/km	A	
5 × 1.5 re/2.5	0.8	1.8	16.4	361	12	19	15
5 × 1.5 rm/2.5	0.8	1.8	16.6	372	11	19	15
7 × 1.5 re/2.5	0.8	1.8	17	407	12	17	13
7 × 1.5 rm/2.5	0.8	1.8	17.6	441	11	17	13
8 × 1.5 re/2.5	0.8	1.8	18	445	12	16	12
8 × 1.5 rm/2.5	0.8	1.8	18.7	485	11	16	12
10 × 1.5 re/2.5	0.8	1.8	20.1	542	12	15	11
10 × 1.5 rm/2.5	0.8	1.8	20.9	592	11	15	11
12 × 1.5 re/2.5	0.8	1.8	20.6	594	12	14	11
12 × 1.5 rm/2.5	0.8	1.8	21.5	649	11	14	11
14 × 1.5 re/2.5	0.8	1.8	21.4	647	12	13	10
14 × 1.5 rm/2.5	0.8	1.8	22.3	710	11	13	10
16 × 1.5 re/4	0.8	1.8	22.7	721	12	12	10
16 × 1.5 rm/4	0.8	1.8	23.3	775	11	12	10
19 × 1.5 re/4	0.8	1.8	23.2	784	12	12	9
19 × 1.5 rm/4	0.8	1.8	24.3	865	11	12	9
21 × 1.5 re/6	0.8	1.8	24.2	866	12	11	9
21 × 1.5 rm/6	0.8	1.8	25.3	955	11	11	9
24 × 1.5 re/6	0.8	1.8	25.8	958	12	11	8
24 × 1.5 rm/6	0.8	1.8	27	1058	11	11	8
30 × 1.5 re/6	0.8	1.8	27.7	1125	12	11	8
30 × 1.5 rm/6	0.8	1.8	29	1247	11	11	8
40 × 1.5 re/10	0.8	1.8	30.7	1417	12	11	8
40 × 1.5 rm/10	0.8	1.8	32.2	1576	11	11	8
52 × 1.5 re/10	0.8	1.8	34.8	1785	12	11	8
52 × 1.5 rm/10	0.8	1.8	36.5	1988	11	11	8
61 × 1.5 re/10	0.8	1.8	37	2025	12	11	8
61 × 1.5 rm/10	0.8	1.8	38.7	2259	11	11	8



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	Insulation	Outer Sheath				In Air	In Ground
mm ²	mm	mm	mm	km/kg	M.Q.km	A	
5x2.5 re/2.5	0.8	1.8	17.5	432	10	26	21
5x2.5 rm/2.5	0.8	1.8	17.8	453	9	26	21
7x2.5 re/2.5	0.8	1.8	18.1	514	10	23	18
7x2.5 rm/2.5	0.8	1.8	18.9	564	9	23	18
8x2.5 re/2.5	0.8	1.8	19.3	565	10	21	17
8x2.5 rm/2.5	0.8	1.8	20.2	620	9	21	17
10x2.5 re/4	0.8	1.8	21.6	672	10	20	16
10x2.5 rm/4	0.8	1.8	22.7	741	9	20	16
12x2.5 re/4	0.8	1.8	22.2	743	10	18	15
12x2.5 rm/4	0.8	1.8	23.3	822	9	18	15
14x2.5 re/6	0.8	1.8	23.1	818	10	17	14
14x2.5 rm/6	0.8	1.8	24.3	907	9	17	14
16x2.5 re/6	0.8	1.8	25.5	914	10	17	13
16x2.5 rm/6	0.8	1.8	25.4	997	9	17	13
19x2.5 re/6	0.8	1.8	25.2	1007	10	16	13
19x2.5 rm/6	0.8	1.8	26.5	1122	9	16	13
21x2.5 re/10	0.8	1.8	26.4	1153	10	15	12
21x2.5 rm/10	0.8	1.8	27.8	1281	9	15	12
24x2.5 re/10	0.8	1.8	28.1	1278	10	14	11
24x2.5 rm/10	0.8	1.8	29.7	1338	9	14	11
30x2.5 re/10	0.8	1.8	30.3	1510	10	14	11
30x2.5 rm/10	0.8	1.8	32	1687	9	14	11
40x2.5 re/10	0.8	1.8	34.1	1917	10	14	11
40x2.5 rm/10	0.8	1.8	36.1	2145	9	14	11
52x2.5 re/10	0.8	1.8	38.4	2402	10	14	11
52x2.5 rm/10	0.8	1.8	40.7	2694	9	14	11
61 x2.5 re/10	0.8	1.8	40.5	2716	10	14	11
61x2.5 rm/10	0.8	1.8	43	3053	9	14	11