



Cu/XLPE/CWS/PVC 0.6/1 kV (N2XCY) Control Cable

DESCRIPTION:

Control cable 0,6/1 kV with Cu conductors,
XLPE insulated, Concentric Copper wire Screened
and PVC sheathed

CABLE STRUCTURE:

Conductor:

[re] Round solid conductor

[rm] Circular stranded conductor

Insulation: XLPE

Filler: PVC

Shield:

Helically copper wire with transverse
helix of annealed copper tape.

Out Sheath:

PVC or FR-PVC type ST2/ST8, black

CODE DESIGNATION: N2XCY

APPLICATION:

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

STANDARDS:

European standards:

IEC 60502-1, VDE 0276-603,

IS 1516.1, IEC/EN 60228

Flame retardant according to IEC/EN 60332-1

Indonesia standards:

Conductor SNI IEC 60228, SPLN 41-1,

insulation SNI IEC 60502 - 1 ;

SPLN 41-9 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: +90°

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.





Cu/XLPE/CWS/PVC 0.6/1 kV (N2XCY) Control Cable

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	0.7	1.8	17	359	1121	11	16
7×1.5 rm	0.7	1.8	17	369	1020	11	16
8×1.5 re	0.7	1.8	18	396	1121	11	16
8×1.5 rm	0.7	1.8	18	409	1020	11	16
10×1.5 re	0.7	1.8	20	478	1121	10	14
10×1.5 rm	0.7	1.8	20	491	1020	10	14
12×1.5 re	0.7	1.8	20	523	1121	10	14
12×1.5 rm	0.7	1.8	21	538	1020	10	14
14×1.5 re	0.7	1.8	21	567	1121	9	11
14×1.5 rm	0.7	1.8	21	582	1020	9	11
16×1.5 re	0.7	1.8	22	619	1121	9	11
16×1.5 rm	0.7	1.8	22	637	1020	9	11
19×1.5 re	0.7	1.8	22	685	1121	8	10
19×1.5 rm	0.7	1.8	22	689	1020	8	10
21×1.5 re	0.7	1.8	23	701	1121	8	10
21×1.5 rm	0.7	1.8	24	752	1020	8	10
24×1.5 re	0.7	1.8	25	836	1121	7	9
24×1.5 rm	0.7	1.8	26	868	1020	7	9
30×1.5 re	0.7	1.8	26	872	1121	7	9
30×1.5 rm	0.7	1.8	27	995	1020	7	9
40×1.5 re	0.7	1.9	29	1210	1121	6	8
40×1.5 rm	0.7	1.9	30	1239	1020	6	8
52×1.5 re	0.7	2.0	32	1553	1121	6	8
52×1.5 rm	0.7	2.0	34	1585	1020	6	8
61×1.5 re	0.7	2.1	35	1835	1121	5	7
61×1.5 rm	0.7	2.1	36	1810	1020	5	7



Cu/XLPE/CWS/PVC 0.6/1 kV (N2XCY) Control Cable

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	
7×2.5 re	0.7	1.8	18	449	940	18	22
7×2.5 rm	0.7	1.8	18	476	842	18	22
8×2.5 re	0.7	1.8	19	498	940	18	22
8×2.5 rm	0.7	1.8	20	530	842	18	22
10×2.5 re	0.7	1.8	21	605	940	15	18
10×2.5 rm	0.7	1.8	22	645	842	15	18
12×2.5 re	0.7	1.8	22	669	940	15	18
12×2.5 rm	0.7	1.8	23	715	842	15	18
14×2.5 re	0.7	1.8	22	735	940	14	16
14×2.5 rm	0.7	1.8	22	777	842	14	16
16×2.5 re	0.7	1.8	23	810	940	14	16
16×2.5 rm	0.7	1.8	23	868	842	14	16
19×2.5 re	0.7	1.8	24	910	940	13	14
19×2.5 rm	0.7	1.8	24	963	842	13	14
21×2.5 re	0.7	1.8	25	986	940	13	14
21×2.5 rm	0.7	1.8	27	1045	842	13	14
24×2.5 re	0.7	1.8	28	1015	940	11	13
24×2.5 rm	0.7	1.9	30	1196	842	11	13
30×2.5 re	0.7	1.9	29	1312	940	11	13
30×2.5 rm	0.7	1.9	31	1399	842	11	13
40×2.5 re	0.7	2.0	32	1654	940	9	10
40×2.5 rm	0.7	2.0	34	1805	842	9	10
52×2.5 re	0.7	2.1	34	2113	940	9	10
52×2.5 rm	0.7	2.2	38	2265	842	9	10
61×2.5 re	0.7	2.2	38	2415	940	8	9
61×2.5 rm	0.7	2.2	41	2579	842	8	9



Cu/XLPE/CWS/PVC 0.6/1 kV (N2XCY) Control Cable

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	
7×4 re	0.7	1.8	20	599	784	25	28
7×4 rm	0.7	1.8	21	342	704	25	28
8×4 re	0.7	1.8	21	665	784	25	28
8×4 rm	0.7	1.8	22	709	704	25	28
10×4 re	0.7	1.8	23	799	784	21	23
10×4 rm	0.7	1.8	24	863	704	21	23
12×4 re	0.7	1.8	24	899	784	21	23
12×4 rm	0.7	1.8	25	968	704	21	23
14×4 re	0.7	1.8	24	995	784	20	21
14×4 rm	0.7	1.8	26	1055	704	20	21
16×4 re	0.7	1.8	26	1095	784	20	21
16×4 rm	0.7	1.8	27	1168	704	20	21
19×4 re	0.7	1.8	27	1236	784	17	18
19×4 rm	0.7	1.8	28	1319	704	17	18
21×4 re	0.7	1.8	29	1345	784	17	18
21×4 rm	0.7	1.9	30	1439	704	17	18
24×4 re	0.7	1.9	31	1540	784	15	16
24×4 rm	0.7	2.0	33	1642	704	15	16
30×4 re	0.7	2.0	32	1821	784	15	16
30×4 rm	0.7	2.1	35	1996	704	15	16
40×4 re	0.7	2.1	36	2356	784	13	14
40×4 rm	0.7	2.2	39	2527	704	13	14
52×4 re	0.7	2.2	41	2979	784	13	14
52×4 rm	0.7	2.3	43	3197	704	13	14
61×4 re	0.7	2.3	44	3417	784	11	13
61×4 rm	0.7	2.4	47	3713	704	11	13



Cu/XLPE/CWS/PVC 0.6/1 kV (N2XCY) Control Cable

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	
7×6 re	0.7	1.8	22	779	667	32	36
7×6 rm	0.7	1.8	23	823	590	32	36
8×6 re	0.7	1.8	24	868	667	32	36
8×6 rm	0.7	1.8	26	917	590	32	36
10×6 re	0.7	1.8	28	1047	667	28	30
10×6 rm	0.7	1.8	28	1117	590	28	30
12×6 re	0.7	1.8	29	1189	667	28	30
12×6 rm	0.7	1.8	29	1262	590	28	30
14×6 re	0.7	1.9	30	1305	667	25	26
14×6 rm	0.7	1.9	30	1397	590	25	26
16×6 re	0.7	1.9	32	1465	667	25	26
16×6 rm	0.7	1.9	31	1555	590	25	26
19×6 re	0.7	2.0	33	1658	667	22	23
19×6 rm	0.7	2.0	33	1463	590	22	23
21×6 re	0.7	2.0	35	1799	667	22	23
21×6 rm	0.7	2.1	36	1919	590	22	23
24×6 re	0.7	2.1	38	2089	667	20	21
24×6 rm	0.7	2.2	38	2239	590	20	21
30×6 re	0.7	2.2	38	2490	667	20	21
30×6 rm	0.7	2.3	40	2662	590	20	21
40×6 re	0.7	2.3	42	3183	667	17	18
40×6 rm	0.7	2.4	45	3395	590	17	18