Cu/XLPE/CTS/PVC 0.6/1 kV (N2XSY) Control Cable

DESCRIPTION:

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

CABLE STRUCTURE:

Conductor:

[re] Round solid conductor

[rm] Circular stranded conductor

Insulation: XLPE

Filler: PVC

Shield:

Helically copper tape screened with nominal thickness 0.1 mm

Out Sheath:

PVC or FR-PVC type ST2/ST8, black

CODE DESIGNATION: N2XSY

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 Uo/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.

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Specifications

Nom.Cross-section Area	Nominal Thickness		overall diameter	cable Weight	DC Resistance at 20℃ Insulation min	Current Carrying Capacity at 30℃	
	Insulation	Outer Sheath				In Air	In Ground
mm²	mm	mm	mm	km/kg	MΩ/km	A	
7 × 1.5 re	0.7	1.8	16	349	1120	11	16
7 × 1.5 rm	0.7	1.8	16	359	1120	11	16
8 × 1.5 re	0.7	1.8	17	387	1120	11	16
8 × 1.5 rm	0.7	1.8	17	399	1120	11	16
10 × 1.5 re	0.7	1.8	19	467	1120	10	14
10 × 1.5 rm	0.7	1.8	19	485	1120	10	14
12 × 1.5 re	0.7	1.8	19	513	1120	10	14
12 × 1.5 rm	0.7	1.8	20	525	1120	10	14
14 × 1.5 re	0.7	1.8	20	558	1120	9	11
14 × 1.5 rm	0.7	1.8	20	575	1120	9	11
16 × 1.5 re	0.7	1.8	21	610	1120	9	11
16 × 1.5 rm	0.7	1.8	21	625	1120	9	11
19 × 1.5 re	0.7	1.8	21	675	1120	8	10
19 × 1.5 rm	0.7	1.8	22	695	1120	8	10
21 × 1.5 re	0.7	1.8	22	730	1120	8	10
21 × 1.5 rm	0.7	1.8	23	750	1120	8	10
24 × 1.5 re	0.7	1.8	24	825	1120	7	9
24 × 1.5 rm	0.7	1.8	25	850	1120	7	9
30 × 1.5 re	0.7	1.8	25	955	1120	7	9
30 × 1.5 rm	0.7	1.8	26	983	1120	7	9
40 × 1.5 re	0.7	1.9	28	1185	1120	6	8
40 × 1.5 rm	0.7	1.9	29	1223	1120	6	8
52 × 1.5 re	0.7	2.0	31	1485	1120	6	8
52 × 1.5 rm	0.7	2.0	33	1565	1120	6	8
61 × 1.5 re	0.7	2.1	34	1725	1120	5	7
61 × 1.5 rm	0.7	2.1	35	1765	1120	5	7

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	Insulation	Outer Sheath				In Air	In Ground
mm²	mm	mm	mm	km/kg	MΩ/km	A	
7 × 2.5 re	0.7	1.8	18	438	940	18	22
7 × 2.5 rm	0.7	1.8	18	465	940	18	22
8 × 2.5 re	0.7	1.8	18	489	940	18	22
8 × 2.5 rm	0.7	1.8	19	520	940	18	22
10 × 2.5 re	0.7	1.8	20	595	940	15	18
10 × 2.5 rm	0.7	1.8	21	635	940	15	18
12 × 2.5 re	0.7	1.8	21	662	940	15	18
12 × 2.5 rm	0.7	1.8	22	703	940	15	18
14 × 2.5 re	0.7	1.8	21	722	940	14	16
14 × 2.5 rm	0.7	1.8	22	770	940	14	16
16 × 2.5 re	0.7	1.8	22	798	940	14	16
16 × 2.5 rm	0.7	1.8	23	850	940	14	16
19 × 2.5 re	0.7	1.8	23	892	940	13	14
19 × 2.5 rm	0.7	1.8	24	950	940	13	14
21 × 2.5 re	0.7	1.8	24	966	940	13	14
21 × 2.5 rm	0.7	1.8	26	1030	940	13	14
24 × 2.5 re	0.7	1.8	27	1100	940	11	13
24 × 2.5 rm	0.7	1.9	28	1175	940	11	13
30 × 2.5 re	0.7	1.9	28	1292	940	11	13
30 × 2.5 rm	0.7	1.9	30	1385	940	11	13
40 × 2.5 re	0.7	1.9	32	1635	940	9	10
40 × 2.5 rm	0.7	2.0	33	1785	940	9	10
52 × 2.5 re	0.7	2.1	35	2087	940	9	10
52 × 2.5 rm	0.7	2.1	37	2235	940	9	10
61 × 2.5 re	0.7	2.1	37	2.385	940	8	9
61 × 2.5 rm	0.7	2.2	40	2559	940	8	9

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	Insulation	Outer Sheath				In Air	In Ground
mm²	mm	mm	mm	km/kg	MΩ/km	A	
7×4 re	0.7	1.8	18	570	704	25	28
7×4 rm	0.7	1.8	19	610	704	25	28
8×4 re	0.7	1.8	19	640	704	25	28
8×4 rm	0.7	1.8	20	685	704	25	28
10×4 re	0.7	1.8	22	784	704	21	23
10×4 rm	0.7	1.8	23	835	704	21	23
12×4 re	0.7	1.8	23	877	704	21	23
12×4 rm	0.7	1.8	24	945	704	21	23
14×4 re	0.7	1.8	23	975	704	20	21
14×4 rm	0.7	1.8	25	1035	704	20	21
16×4 re	0.7	1.8	25	1075	704	20	21
16×4 rm	0.7	1.8	26	1155	704	20	21
19×4 re	0.7	1.8	26	1213	704	17	18
19×4 rm	0.7	1.8	27	1295	704	17	18
21×4 re	0.7	1.8	27	1325	704	17	18
21×4 rm	0.7	1.9	28	1420	704	17	18
24×4 re	0.7	1.9	29	1517	704	15	16
24×4 rm	0.7	2.0	31	1631	704	15	16
30×4 re	0.7	2.0	31	1805	704	15	16
30×4 rm	0.7	2.1	34	1965	704	15	16
40×4 re	0.7	2.1	35	2335	704	13	14
40×4 rm	0.7	2.2	37	2505	704	13	14
52×4 re	0.7	2.2	39	2953	704	13	14
52×4 rm	0.7	2.3	42	3172	704	13	14
61×4 re	0.7	2.3	42	3392	704	11	13
61×4 rm	0.7	2.4	45	3688	704	11	13

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	Insulation	Outer Sheath				In Air	In Ground
mm^2	mm	mm	mm	km/kg	MΩ/km	A	
7×6 re	0.7	1.8	19	729	590	32	36
7×6rm	0.7	1.8	21	775	590	32	36
8×6 re	0.7	1.8	21	817	590	32	36
8×6 rm	0.7	1.8	22	870	590	32	36
10×6 re	0.7	1.8	24	1010	590	28	30
10×6 rm	0.7	1.8	25	1075	590	28	30
12×6 re	0.7	1.8	25	1145	590	28	30
12×6 rm	0.7	1.8	26	1225	590	28	30
14×6 re	0.7	1.8	26	1265	590	25	26
14×6rm	0.7	1.8	27	1353	590	25	26
16×6 re	0.7	1.8	27	1413	590	25	26
16×6 rm	0.7	1.8	29	1513	590	25	26
19×6 re	0.7	1.8	28	1610	590	22	23
19×6rm	0.7	1.9	30	1725	590	22	23
21×6 re	0.7	1.9	29	1765	590	22	23
21×6rm	0.7	1.9	32	1885	590	22	23
24×6 re	0.7	2.0	33	2065	590	20	21
24×6rm	0.7	2.1	35	2210	590	20	21
30×6 re	0.7	2.1	35	2560	590	20	21
30×6rm	0.7	2.1	37	2633	590	20	21
40×6 re	0.7	2.2	39	3155	590	17	18
40×6rm	0.7	2.3	42	3380	590	17	18
52×6 re	0.7	2.4	44	4065	590	17	18
52×6 rm	0.7	2.5	48	4345	590	17	18
61×6 re	0.7	2.4	47	4675	590	15	16
61×6rm	0.7	2.6	50	4995	590	15	16