



N2XBY Cu/XLPE/STA/PVC 0.6/1 kV

DESCRIPTION:

Power cable 0.6/1 kV with Cu conductors,
XLPE insulated, STA and PVC sheathed

CABLE STRUCTURE:

Conductor: [re] Round solid conductor
[rm] Circular stranded conductor
[sm] Sector shape conductor

Insulation: XLPE

Filler: PVC

Armour: Galvanized steel tape
helically applied.

Out Sheath: PVC or FR-PVC type ST2/ST8,
black

CODE DESIGNATION: N2XBY

APPLICATION:

For installation indoors, in cable channels
and in duct in ground in switchgear, power
stations and industrial application, in harsh
environments where a high level mechanical
protection is required.

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°C

Maximum Short-Circuit:

+250°C

Minimum Bending Radius:

12 × 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	Ω/km	A	
2×1.5 re	0.7	1.8	17	434	1121	31	24
2×1.5 rm	0.7	1.8	17	432	1020	31	24
2×2.5 re	0.7	1.8	21	675	940	41	32
2×2.5 rm	0.7	1.8	21	673	842	41	32
2×4 re	0.7	1.8	21	694	784	54	43
2×4 rm	0.7	1.8	21	690	704	54	43
2×6 re	0.7	1.8	21	719	667	68	54
2×6 rm	0.7	1.8	21	714	590	68	54
2×10 re	0.7	1.8	18	578	538	89	75
2×10 rm	0.7	1.8	19	627	473	89	75
2×16 rm	0.7	1.8	21	824	392	116	102
2×25 rm	0.9	1.8	21	1163	400	153	137
2×35 rm	0.9	1.8	27	1459	348	182	179
2×50 rm	1.0	1.9	30	1847	326	213	205
2×70 rm	1.1	2.1	35	2497	303	261	261
2×95 rm	1.1	2.3	40	3642	262	318	313
2×120 rm	1.2	2.4	45	4439	254	363	363
2×150 rm	1.4	2.5	49	5360	266	403	426
3×1.5 re	0.7	1.8	17	438	1121	27	21
3×1.5 rm	0.7	1.8	17	435	1020	27	21
3×2.5 re	0.7	1.8	21	683	940	29	37
3×2.5 rm	0.7	1.8	21	679	842	29	37
3×4 re	0.7	1.8	21	711	784	39	47
3×4 rm	0.7	1.8	21	706	704	39	47
3×6 re	0.7	1.8	21	751	667	50	60
3×6 rm	0.7	1.8	17	547	590	50	60
3×10 re	0.7	1.8	18	683	538	69	79
3×10 rm	0.7	1.8	20	735	473	69	79
3×16 rm	0.7	1.8	22	987	392	101	91



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	Insulation	Outer Sheath				In Air	In Ground
mm ²	mm	mm	mm	km/kg	Ω/km	A	
3×25 rm	0.9	1.8	26	1415	400	132	119
3×35 rm	0.9	1.9	28	1807	348	156	148
3×50 rm	1.0	2.0	32	2309	326	187	182
3×70 rm	1.1	2.2	38	3524	303	233	228
3×70 sm	1.1	2.0	32	2648	303	233	228
3×95 rm	1.1	2.3	43	4579	262	278	278
3×95 sm	1.1	2.1	35	3490	262	278	278
3×120 rm	1.2	2.5	48	5610	254	324	324
3×120 sm	1.2	2.3	41	4735	254	324	324
3×150 rm	1.4	2.6	52	6791	266	358	367
3×150 sm	1.4	2.4	44	5686	266	358	367
3×185 rm	1.6	2.8	58	8364	271	403	421
3×185 sm	1.5	2.5	49	6969	271	403	421
3×240 rm	1.7	3.1	66	10706	252	471	494
3×240 sm	1.7	2.7	54	8877	252	471	494
3×300 rm	1.8	3.3	72	13115	240	529	568
3×300 sm	1.8	2.9	59	10908	240	529	568
4×1.5 re	0.7	1.8	17	441	1,121	27	21
4×1.5 rm	0.7	1.8	17	436	1,020	27	21
4×2.5 re	0.7	1.8	17	466	940	29	37
4×2.5 rm	0.7	1.8	17	461	842	29	37
4×4 re	0.7	1.8	17	502	784	39	47
4×4 rm	0.7	1.8	17	508	704	39	47
4×6 re	0.7	1.8	18	592	667	50	60
4×6 rm	0.7	1.8	19	628	590	50	60
4×10 re	0.7	1.8	20	804	538	69	79
4×10 rm	0.7	1.8	21	859	473	69	79
4×16 rm	0.7	1.8	24	1186	392	101	91
4×25 rm	0.9	1.9	28	1724	400	132	119
4×35 rm	0.9	2.0	31	2225	348	156	148
4×50 rm	1.0	2.1	35	2856	326	187	182



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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	Ω/km	A	
4×70 rm	1.1	2.3	42	4347	303	233	228
4×70 sm	1.1	2.1	36	3463	303	233	228
4×95 rm	1.1	2.5	48	5690	262	278	278
4×95 sm	1.1	2.3	41	4984	262	278	278
4×120 rm	1.2	2.7	43	6996	254	324	324
4×120 sm	1.2	2.4	45	6113	254	324	324
4×150 rm	1.4	2.8	58	8489	266	358	367
4×150 sm	1.4	2.6	50	7449	266	358	367
4×185 rm	1.6	3.0	65	10472	271	403	421
4×185 sm	1.6	2.7	55	9150	271	403	421
4×240 rm	1.7	3.3	73	13439	252	471	494
4×240 sm	1.7	2.9	61	11697	252	471	494
4×300 rm	1.8	3.6	81	16511	240	529	568
4×300 sm	1.8	3.1	67	14385	240	529	568
5×1.5 re	0.7	1.8	17	450	1,121	27	21
5×1.5 rm	0.7	1.8	17	444	1,020	27	21
5×2.5 re	0.7	1.8	17	480	940	29	37
5×2.5 rm	0.7	1.8	17	473	842	29	37
5×4 re	0.7	1.8	18	554	784	39	47
5×4 rm	0.7	1.8	18	587	704	39	47
5×6 re	0.7	1.8	19	697	667	50	60
5×6 rm	0.7	1.8	20	738	590	50	60
5×10 re	0.7	1.8	21	992	538	69	79
5×10 rm	0.7	1.8	23	1,010	473	69	79
5×16 rm	0.7	1.8	26	1,388	392	101	91
5×25 rm	0.9	1.9	31	2,044	400	132	119
5×35 rm	0.9	2.1	34	2,649	348	156	148
5×50 rm	1.0	2.2	40	3,805	326	187	182