



N2XY Cu/XLPE/PVC 0.6/1 kV

DESCRIPTION:

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

CABLE STRUCTURE:

Conductor: [re] Round solid conductor
[rm] Circular stranded conductor

Insulation: XLPE

Filler: PVC

Out Sheath:

PVC or FR-PVC type ST1/ST2/ST8, black

CODE DESIGNATION:N2XY

APPLICATION:

These power and fixed wiring cables are used for electricity supply in low voltage installation systems. They are well adapted to underground use in industrial applications with an additional mechanical protection.

These cables can be fixed on cable trays, within conduits or fixed to walls.

TECHNICAL DATA:

Voltage Rating U₀/U :

0.6/1kV

Temperature Rating:

During installation:

-5°C to +50°C

Fixed Installation:

-20°C to +90°C

Minimum Bending Radius:

Fixed: 12 × overall diameter

STANDARDS:

European standards:

IEC 60502-1, VDE 0276-603, IEC/EN 60228

Flame retardant according to IEC/EN 60332-1-2

Indonesia standards:

Conductor SNI IEC 60228, SPLN 41-1;

XLPE insulation SNI IEC 60502 - 1 SPLN 41-9;

PVC Sheath Grade ST2 to IEC 60502-1,
grade YM/2 SPLN 41-2. Black colour

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.





N2XY Cu/XLPE/PVC 0.6/1 kV

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	
1 × 1.5 re	0.7	1.4	6.0	46	1,121	30	38
1 × 1.5 rm	0.7	1.4	6.0	48	1,020	30	38
1 × 2.5 re	0.7	1.4	6.2	59	940	40	52
1 × 2.5 rm	0.7	1.4	6.5	62	842	40	52
1 × 4 re	0.7	1.4	6.7	77	784	53	66
1 × 4 rm	0.7	1.4	7.0	81	704	53	66
1 × 6 re	0.7	1.4	7.1	99	667	66	88
1 × 6 rm	0.7	1.4	7.5	104	590	66	88
1 × 10 re	0.7	1.4	8.0	142	538	92	112
1 × 10 rm	0.7	1.4	8.5	150	473	92	112
1 × 16 rm	0.7	1.4	9.5	213	392	99	120
1 × 25 rm	0.9	1.4	11.5	318	400	138	143
1 × 35 rm	0.9	1.4	12.5	419	348	166	173
1 × 50 rm	1.0	1.4	14	546	326	207	204
1 × 70 rm	1.1	1.4	16	766	303	258	250
1 × 95 rm	1.1	1.5	18	1033	262	321	302
1 × 120 rm	1.2	1.5	20	1287	254	379	342
1 × 150 rm	1.4	1.6	22	1575	266	436	388
1 × 185 rm	1.6	1.6	25	1965	271	505	440
1 × 240 rm	1.7	1.8	28	2552	252	608	500
1 × 300 rm	1.8	1.8	31	3071	240	700	562
1 × 400 rm	2.0	2.0	35	4028	235	849	665
1 × 500 rm	2.2	2.1	39	5051	228	987	766



N2XY Cu/XLPE/PVC 0.6/1 kV

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	12	180	1121	31	24
2×1.5rm	0.7	1.8	12	187	1020	31	24
2×2.5 re	0.7	1.8	12	221	940	41	33
2×2.5 rm	0.7	1.8	13	236	842	41	33
2×4 re	0.7	1.8	13	272	784	54	44
2×4 rm	0.7	1.8	14	293	704	54	44
2×6 re	0.7	1.8	14	336	667	68	55
2×6rm	0.7	1.8	15	362	590	68	55
2×10 re	0.7	1.8	16	456	538	89	76
2×10rm	0.7	1.8	17	495	473	89	76
2×16rm	0.7	1.8	19	674	392	117	103
2×25rm	0.9	1.8	23	982	400	154	138
2×35rm	0.9	1.8	25	1258	348	184	172
2×50 rm	1.0	1.8	28	1610	326	215	207
2×70 rm	1.1	1.8	33	2265	303	264	264
2×95rm	1.1	2.0	37	2986	262	321	316
2×120 rm	1.2	2.1	41	3692	254	367	367
2×150 rm	1.4	2.2	46	4564	266	407	430
2×185 rm	1.6	2.3	49	5220	271	489	465
2×240 rm	1.7	2.5	55	6729	252	580	536
2×300 rm	1.8	2.7	61	8342	240	670	597
3×1.5 re	0.7	1.8	12	200	1121	27	21
3×1.5rm	0.7	1.8	13	207	1020	27	21
3×2.5 re	0.7	1.8	13	251	940	37	29
3×2.5 rm	0.7	1.8	14	266	842	37	29
3×4 rm	0.7	1.8	15	339	704	47	39
3×6 re	0.7	1.8	15	398	667	60	50
3×6rm	0.7	1.8	16	426	590	60	50
3×10 re	0.7	1.8	17	554	538	79	69
3×10rm	0.7	1.8	18	597	473	79	69
3×16rm	0.7	1.8	20	829	392	102	92
3×25 rm	0.9	1.8	24	1224	400	133	120
3×35 rm	0.9	1.8	27	1586	348	158	149
3×50 rm	1.0	1.8	30	2059	326	189	184
3×70 sm	1.1	1.9	30	2404	303	235	230
3×95 sm	1.1	2.0	34	3255	262	281	281
3×120 sm	1.2	2.1	38	4067	254	327	327
3×150 sm	1.4	2.3	41	4950	266	362	373
3×185 sm	1.6	2.4	46	6184	271	407	425
3×240 sm	1.7	2.6	51	7976	252	476	499
3×300 sm	1.8	2.8	56	9940	240	534	534



N2XY Cu/XLPE/PVC 0.6/1 kV

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	
4×1.5 re	0.7	1.8	13	228	1121	27	21
4×1.5 rm	0.7	1.8	14	235	1020	27	21
4×2.5 re	0.7	1.8	14	291	940	37	29
4×2.5 rm	0.7	1.8	14	308	842	37	29
4×4 re	0.7	1.8	15	371	784	47	39
4×4 rm	0.7	1.8	16	397	704	47	39
4×6 re	0.7	1.8	16	475	667	60	50
4×6rm	0.7	1.8	17	507	590	60	50
4×10 re	0.7	1.8	18	671	538	79	69
4×10 rm	0.7	1.8	19	720	473	79	69
4×16rm	0.7	1.8	22	1013	392	102	92
4×25rm	0.9	1.8	26	1508	400	133	120
4×35 rm	0.9	1.8	29	1980	348	158	149
4×50 rm	1.0	2.0	34	2620	326	189	184
4x70 sm	1.1	2.0	34	3222	303	235	230
4×95 sm	1.1	2.1	38	4314	262	281	281
4×120 sm	1.2	2.3	42	5356	254	327	327
4×150 sm	1.4	2.4	47	6628	266	362	373
4×185 sm	1.6	2.6	52	8216	271	407	425
4×240 sm	1.7	2.8	58	10678	252	476	499
4×300 sm	1.8	3.0	64	13229	240	534	534
5×1.5 re	0.7	1.8	14	266	1121	27	21
5×1.5 rm	0.7	1.8	14	274	1020	27	21
5×2.5 re	0.7	1.8	15	335	940	37	29
5×2.5 rm	0.7	1.8	15	355	842	37	29
5×4 rm	0.7	1.8	17	467	704	47	39
5×6 re	0.7	1.8	17.5	562	667	60	50
5×6 rm	0.7	1.8	18.5	598	590	60	50
5×10 re	0.7	1.8	20	807	538	79	69
5×10 rm	0.7	1.8	21	863	473	79	69
5×16rm	0.7	1.8	24	1226	392	102	92
5×25rm	0.9	1.8	29	1843	400	133	120
5×35rm	0.9	1.8	33	2475	348	158	149
5×50 rm	1.0	2.0	37	3224	326	189	184