



N2XCY Cu/XLPE/CWS/PVC 0.6/1 kV

DESCRIPTION:

Power cable 0.6/1 kV with Cu conductors, XLPE insulated, Copper wire screen shield and PVC sheathed

CABLE STRUCTURE:

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

The N2XCY cable is suitable for installation in ground, indoors, cable trunking and outdoors. Used for power distribution in industrial application, including urban networks and household feeders.

European standards:

IEC 60502-1, VDE 0276-603, IS 1516.1

Flame retardant according to IEC 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:

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	
1 × 35 rm	0.9	1.4	17	682	348	165	171
1 × 50 rm	1.0	1.4	19	905	326	203	201
1 × 70 rm	1.1	1.5	22	1235	303	255	249
1 × 95 rm	1.1	1.5	24	1637	262	318	296
1 × 120 rm	1.2	1.6	26	2095	254	375	339
1 × 150 rm	1.4	1.7	28	2395	266	435	385
1 × 185 rm	1.6	1.7	31	3007	271	501	435
1 × 240 rm	1.7	1.8	34	3823	252	603	496
1 × 300 rm	1.8	1.9	38	4755	240	693	557
1 × 400 rm	2.0	2.1	42	5933	235	845	659
1 × 500 rm	2.2	2.2	46	7508	228	978	745
2 × 1.5 re	0.7	1.8	16	195	1121	24	31
2 × 1.5 rm	0.7	1.8	16	201	1020	24	31
2 × 2.5 re	0.7	1.8	17	240	940	33	41
2 × 2.5 rm	0.7	1.8	17	253	842	33	41
2 × 4 re	0.7	1.8	18	305	784	44	53
2 × 4 rm	0.7	1.8	18	312	704	44	53
2 × 6 re	0.7	1.8	19	385	667	54	67
2 × 6 rm	0.7	1.8	19	393	590	54	67
2 × 10 re	0.7	1.8	21	550	538	75	88
2 × 10 rm	0.7	1.8	21	568	473	75	88
2 × 16 rm	0.7	1.8	24	768	392	102	116
2 × 25 rm	0.9	1.8	27	1025	40C	137	153
2 × 35 rm	0.9	1.8	29	1285	348	170	181
2 × 50 rm	1.0	1.8	33	1635	326	204	212



N2XC Y Cu/XLPE/CWS/PVC 0.6/1 kV

Specifications

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	Insulation	Outer Sheath				In Air	In Ground
mm ²	mm	mm	mm	km/kg	MΩ/km	A	
2×70 rm	1.1	1.9	38	2250	303	262	262
2×95 rm	1.1	2.0	43	3102	262	312	318
2×120 rm	1.2	2.1	47	3825	254	364	364
2×150 rm	1.4	2.3	51	4535	266	426	403
2×185 rm	1.6	2.4	57	5710	271	489	465
2×240 rm	1.7	2.6	63	7325	252	580	536
2×300 rm	1.8	2.8	69	9075	240	670	597
3×1.5 re	0.7	1.8	16	225	1121	21	28
3×1.5 rm	0.7	1.8	16	231	1020	21	28
3×2.5 re	0.7	1.8	17	275	940	29	37
3×2.5 rm	0.7	1.8	17	281	842	29	37
3×4 re	0.7	1.8	18	347	784	39	46
3×4 rm	0.7	1.8	18	353	704	39	46
3×6 re	0.7	1.8	19	446	667	49	59
3×6 rm	0.7	1.8	20	450	590	49	59
3×10 re	0.7	1.8	21	649	538	68	78
3×10 rm	0.7	1.8	22	656	473	68	78
3×16 rm	0.7	1.8	24	1097	392	91	101
3×25 rm	0.9	1.8	28	1505	400	119	132
3×35 rm	0.9	1.8	30	1875	348	148	157
3×50 rm	1.0	1.8	35	2505	326	181	187
3×70 rm	1.1	2.0	39	3425	303	227	233
3×70 sm	1.1	2.0	35	2955	303	227	233
3×95 rm	1.1	2.1	45	4555	262	278	278
3×95 sm	1.2	2.1	39	3950	262	278	278
3×120 rm	1.2	2.2	49	5688	254	324	324
3×120 sm	1.2	2.2	44	4969	254	324	324
3×150 rm	1.4	2.4	54	6770	266	370	358
3×150 sm	1.4	2.4	47	5872	266	370	358
3×185 rm	1.6	2.5	60	8465	271	420	403
3×185 sm	1.6	2.5	52	7325	271	420	403
3×240 rm	1.7	2.7	66	10833	252	495	475
3×240 sm	1.7	2.7	57	9385	252	495	475
2×300 rm	1.8	2.9	73	13350	240	568	528
2×300 sm	1.8	2.9	63	11595	240	568	528
4×1.5 re	0.7	1.8	16	251	1,121	21	28
4×1.5 rm	0.7	1.8	16	262	1,020	21	28



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	Insulation	Outer Sheath				In Air	In Ground
mm ²	mm	mm	mm	km/kg	Ω/km	A	
4×2.5 re	0.7	1.8	17	315	940	29	37
4×2.5 rm	0.7	1.8	17	325	842	29	37
4×4 re	0.7	1.8	18	409	784	39	46
4×4 rm	0.7	1.8	19	418	704	39	46
4×6 re	0.7	1.8	19	535	667	49	59
4×6 rm	0.7	1.8	20	543	590	49	59
4×10 re	0.7	1.8	21	785	538	68	78
4×10 rm	0.7	1.8	23	793	473	68	78
4×16 rm	0.7	1.8	25	1238	392	91	101
4×25 rm	0.9	1.8	29	1741	400	119	132
4×35 rm	0.9	1.8	32	2205	348	148	157
4×50 rm	1.0	1.9	37	2965	326	181	187
4×70 rm	1.1	2.1	42	4105	303	227	233
4×70 sm	1.1	2.1	39	3705	303	227	233
4×95 rm	1.1	2.2	48	5490	262	278	278
4×95 sm	1.1	2.2	43	4965	262	278	278
4×120 rm	1.2	2.4	53	6,875	254	324	324
4×120 sm	1.2	2.4	48	6200	254	324	324
4×150 rm	1.4	2.5	58	8232	266	370	358
4×150 sm	1.4	2.5	52	7445	266	370	358
4×185 rm	1.6	2.7	65	10305	271	420	403
4×185 sm	1.6	2.7	58	9295	271	420	403
4×240 rm	1.7	2.9	72	13250	252	495	475
4×240 sm	1.7	2.9	64	11956	252	495	475
4×300 rm	1.8	3.1	80	16375	240	568	528
4×300 sm	1.8	3.1	70	14795	240	568	528
5×1.5 re	0.7	1.8	17	295	1121	21	28
5×1.5 rm	0.7	1.8	17	299	1020	21	28
5×2.5 re	0.7	1.8	18	363	940	29	37
5×2.5 rm	0.7	1.8	18	368	842	29	37
5×4 re	0.7	1.8	19	483	784	39	46
5×4 rm	0.7	1.8	19	489	704	39	46
5×6 re	0.7	1.8	20	615	667	49	59
5×6 rm	0.7	1.8	21	621	590	49	59
5×10 re	0.7	1.8	22	915	538	68	78
5×10 rm	0.7	1.8	24	923	473	68	78
5×16 rm	0.7	1.8	26	1295	392	91	101
5×25 rm	0.9	1.8	31	1855	400	119	132