



N2XSY Cu/XLPE/CTS/PVC 0.6/1 kV

DESCRIPTION:

Power cable 0.6/1 kV with Cu conductors, XLPE insulated, Copper tape 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 tape screened
with nominal thickness 0.1 mm

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

CODE DESIGNATION: N2XSY

APPLICATION:

The N2XSY cable is for indoor installation, in power and switching stations. as underground cable, for difficult installation where the low weight is particularly advantageous.

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

STANDARDS:

European standards:

IEC 60502-2, EN 60228 Flame Retardant
according to IEC/EN 60332-1-2

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.

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.





N2XS Y Cu/XLPE/CTS/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	
2×70 rm	1.1	19	34	2,345	303	262	262
2×95 rm	1.1	2.0	38	3,065	262	312	318
2×120 rm	1.2	2.1	41	3,775	254	364	364
2×150 rm	1.4	2.2	46	4651	266	426	403
2×185 rm	1.6	2.4	51	5745	271	489	465
2×240 rm	1.7	2.5	58	7415	252	580	536
2×300 rm	1.8	2.7	64	9089	240	670	597
3×1.5 re	0.7	1.8	15	305	1120	21	28
3×1.5 rm	0.7	1.8	15	308	1020	21	28
3×2.5 re	0.7	1.8	15	320	940	29	37
3×2.5 rm	0.7	1.8	15	325	842	29	37
3×4 re	0.7	1.8	15	350	784	39	46
3×4 rm	0.7	1.8	16	374	704	39	46
3×6 re	0.7	1.8	16	429	667	49	59
3×6 rm	0.7	1.8	17	461	590	49	59
3×10 re	0.7	1.8	18	585	538	68	78
3×10 rm	0.7	1.8	19	628	473	68	78
3×16 rm	0.7	1.8	21	862	392	91	101
3×25 rm	0.9	1.8	25	1255	400	119	132
3×35 rm	0.9	1.8	27	1610	348	148	157
3×50 rm	1.0	1.8	31	2135	326	181	187
3×50 sm	1.0	1.8	26	1745	326	181	187
3×70 rm	1.1	1.9	36	2985	303	227	233
3×70 sm	1.1	1.9	31	2515	303	227	233
3×95 rm	1.1	2.1	40	3955	262	278	278
3×95 sm	1.1	2.1	35	3375	262	278	278
3×120 rm	1.2	2.2	45	4945	254	324	324
3×120 sm	1.2	2.2	39	4205	254	324	324
3×150 rm	1.4	2.3	50	6013	266	370	358
3×150 sm	1.4	2.3	42	5095	266	370	358
3×185 rm	1.6	2.5	55	7520	271	420	403
3×185 sm	1.6	2.5	47	6345	271	420	403
3×240 rm	1.7	2.7	62	9645	252	495	475
3×240 sm	1.7	2.7	52	8150	252	495	475
3×300 rm	1.8	2.8	68	11875	240	568	528
3×300 sm	1.8	2.8	57	10135	240	568	528
4×1.5 re	0.7	1.8	15	302	1120	21	28
4×1.5 rm	0.7	1.8	15	307	1020	21	28
4×2.5 re	0.7	1.8	15	329	940	29	37
4×2.5 rm	0.7	1.8	15	345	842	29	37



N2XS Y Cu/XLPE/CTS/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	MΩ/km	A	
4×4 re	0.7	1.8	16	410	784	39	46
4×4 rm	0.7	1.8	17	425	704	39	46
4×6 re	0.7	1.8	17	510	667	49	59
4×6 rm	0.7	1.8	18	542	590	49	59
4×10 re	0.7	1.8	19	703	538	68	78
4×10 rm	0.7	1.8	20	750	473	68	78
4×16 rm	0.7	1.8	23	1045	392	91	101
4×25 rm	0.9	1.8	27	1534	400	119	132
4×35 rm	0.9	1.8	30	1995	348	148	157
4×50 rm	1.0	1.9	34	2702	326	181	187
4×50 sm	1.0	1.9	30	23010	326	181	187
4×70 rm	1.1	2.0	40	3745	303	227	233
4×70 sm	1.1	2.0	36	3345	303	227	233
4×95 rm	1.1	2.2	45	5025	262	278	278
4×95 sm	1.1	2.2	40	4450	262	278	278
4×120 rm	1.2	2.3	50	6225	254	324	324
4×120 sm	1.2	2.3	44	5555	254	324	324
4×150 rm	1.4	2.5	55	7652	266	370	358
4×150 sm	1.4	2.5	49	6810	266	370	358
4×185 rm	1.6	2.6	61	9485	271	420	403
4×185 sm	1.6	2.6	54	8410	271	420	403
4×240 rm	1.7	2.9	68	12195	252	495	475
4×240 sm	1.7	2.9	60	10895	252	495	475
4×300 rm	1.8	3.0	76	15145	240	568	528
4×300 sm	1.8	3.0	65	13460	240	568	528
5×1.5 re	0.7	1.8	16	315	1120	21	28
5×1.5 rm	0.7	1.8	16	319	1020	21	28
5×2.5 re	0.7	1.8	17	375	940	29	37
5×2.5 rm	0.7	1.8	17	389	842	29	37
5×4 re	0.7	1.8	18	475	784	39	46
5×4 rm	0.7	1.8	18	495	704	39	46
5×6 re	0.7	1.8	19	605	667	49	59
5×6 rm	0.7	1.8	20	640	590	49	59
5×10 re	0.7	1.8	22	840	538	68	78
5×10 rm	0.7	1.8	24	885	473	68	78
5×16 rm	0.7	1.9	26	1260	392	91	101
5×25 rm	0.9	1.9	29	1875	400	119	132
5×35 rm	0.9	2.0	34	2495	348	148	157
5×50 rm	1.0	2.2	38	3325	326	181	187