



N2XH Cu/XLPE/LSZH 0.6/1 kV

DESCRIPTION:

Power cable 0.6/1 kV with Cu conductors,
XLPE insulated and LSZH-FRNC sheathed

CABLE STRUCTURE:

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

Insulation: XLPE

Filler: PVC

Out Sheath: LSZH-FRNC (Low Smoke
Zero Halogen Flame Retardant
Non Corrosive)

CODE DESIGNATION: N2XH

APPLICATION:

These power cables are used for electricity
supply in low voltage installation system.
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 U_0/U :

Nominal voltage (AC) U_0/U : 0.6/1kV

Max operating voltage (DC) U_0/U : 0.9/1.8kV

Test Voltage :3.5kV

Temperature Rating Maximum Operating:

-40°C to +90°C

Minimum Bending Radius:

Fixed: 6 × overall diameter

STANDARDS:

European standards:

VDE 0276 Part 604, HD 604 S1, IEC 60364,
EN 60228, EN 62230 DIN VDE 0100, CEI 20-60,
NEN 1010,NF C15-100

Flame Retardant according to IEC 60332-3-24,
IEC 60332-1-2

Low Smoke Density /Halogen free according to
IEC 61034-1/2, IEC 60754-1/2

UV Resistant /UV stable. Ozone Resistant
EN 50396

Abrasion Resistant-EN 60229-4.1

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 min	Current carrying cap. in air
	Insulation	Outer Sheath				
mm ²	mm	mm	mm	km/kg	MΩ/km	A
1 × 10 re	0.7	1.2	8	136	1.83	1,021
1 × 16 re	0.7	1.2	9	194	1.15	1,354
1 × 25 rm	0.9	1.2	11	297	0.727	1,832
1 × 35 rm	0.9	1.2	12	391	0.524	2,261
1 × 50 rm	1.0	1.2	13	514	0.387	2,739
1 × 70 rm	1.1	1.2	15	717	0.268	3,482
1 × 95 rm	1.1	1.3	17	970	0.193	4,290
1 × 120 rm	1.2	1.3	19	1206	0.153	4,979
1 × 150 rm	1.4	1.3	21	1460	0.124	5,758
1 × 185 rm	1.6	1.4	23	1821	0.0991	6,667
1 × 240 rm	1.7	1.4	25	2349	0.0754	7,989
1 × 300 rm	1.8	1.5	28	2928	0.0601	9,258
1 × 400 rm	2.0	1.5	32	3713	0.0470	10,954
1 × 500 rm	2.2	1.6	36	4734	0.0366	12,910
2 × 10 re	0.7	1.2	13	361	1.83	896
2 × 16 re	0.7	1.3	15	517	1.15	1,194
2 × 25 rm	0.9	1.3	20	840	0.727	1,627
2 × 35 rm	0.9	1.4	22	1104	0.524	2,018
3 × 10 sm	0.7	1.2	14	447	1.83	768
3 × 16 sm	0.7	1.3	16	651	1.15	1,024
3 × 25 sm	0.9	1.3	21	1054	0.727	1,401
3 × 35 sm	0.9	1.4	24	1396	0.524	1,736
3 × 50 sm	1.0	1.4	23	1527	0.387	2,022
3 × 70 sm	1.1	1.5	27	2147	0.268	2,565
3 × 95 sm	1.1	1.6	30	2898	0.193	3,157
3 × 120 sm	1.2	1.7	33	3637	0.153	3,676
3 × 150 sm	1.4	1.7	37	4462	0.124	4,251
3 × 185 sm	1.6	1.8	41	5551	0.0991	4,929
3 × 240 sm	1.7	1.9	46	7196	0.0754	5,839



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mm ²	mm	mm	mm	km/kg	Ω/km	A
3 × 25+16 rm/re	0.9/0.7	1.4	22	1228	0.727	1,420
3 × 35+16 sm/re	0.9/0.7	1.4	22	1340	0.524	1,723
3 × 50+25 sm/rm	1.0/0.9	1.5	25	1818	0.387	2,109
3 × 70+35 sm	1.1/0.9	1.5	29	2513	0.268	2,649
3 × 95+50 sm	1.1/1.0	1.6	33	3400	0.193	3,270
3 × 120+70 sm	1.2/1.1	1.7	36	4318	0.153	3,780
3 × 150+70 sm	1.4/1.1	1.8	41	5181	0.124	4,364
3 × 185+95 sm	1.6/1.1	1.9	45	6511	0.0991	5,010
3 × 240+120 sm	1.7/1.2	2.0	51	8413	0.08	5,923
4 × 10 re	0.7	1.3	16	558	1.83	795
4 × 10 rm	0.7	1.3	17	593	1.83	820
4 × 16 re	0.7	1.3	18	822	1.15	1,060
4 × 25 rm	0.9	1.4	23	1342	0.727	1,451
4 × 35 sm	0.9	1.4	22	1525	0.524	1,723
4 × 50 sm	1.0	1.5	25	2016	0.387	2,109
4 × 70 sm	1.1	1.6	30	2839	0.268	2,665
4 × 95 sm	1.1	1.7	34	3849	0.193	3,285
4 × 120 sm	1.2	1.7	37	4785	0.153	3,807
4 × 150 sm	1.4	1.8	41	5910	0.124	4,392
4 × 185 sm	1.6	1.9	46	7355	0.0991	5,064
4 × 240 sm	1.7	2.0	52	9553	0.0754	5,976
5 × 10 re	0.7	1.3	17	704	1.83	824
5 × 16 re	0.7	1.3	20	1028	1.15	1,100
5 × 25 rm	0.9	1.4	25	1673	0.727	1,508
5 × 35 rm	0.9	1.5	29	2230	0.524	1,873
5 × 50 rm	1.0	1.6	33	2998	0.387	2,281
5 × 70 rm	1.1	1.6	38	4183	0.268	2,917
5 × 95 rm	1.1	1.7	43	5602	0.193	3,577
5 × 120 rm	1.2	1.8	48	7048	0.153	4,146