

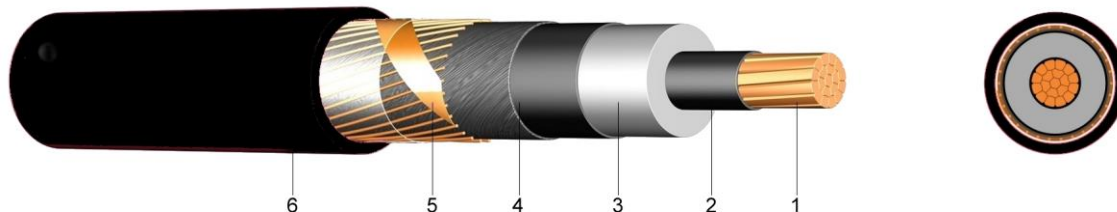


## N2XS2Y

## XLPE Insulated Single-Core Cable with PE Outer Sheath

### Application:

To be laid directly in ground, outdoors, indoors and in cable ducts.



### Construction:

- 1 ..... stranded (RM) bare copper
- 2 ..... inner layer of semi-conducting material
- 3 ..... core insulation of cross-linked polyethylene
- 4 ..... outer layer of semi-conducting material
- 5 ..... screen of copper wires
- 6 ..... outer sheath of polyethylene (PE), black

### Standards:

DIN VDE 0276-620  
 HD 620 S1: 1996  
 DIN EN 60228 class 2 (construction)

### Technical data:

Test voltage	6 / 10 kV	[kV]	21 / 5 min.
	12 / 20 kV	[kV]	42 / 5 min.
	18 / 30 kV	[kV]	63 / 5 min.
Temperature range	in motion		-20°C till +90°C
	fixed		-20°C till +90°C
Operating temperature	short circuit	°C	250°C
Short circuit time	max.	[sec]	5
Bending radius	min.	x diameter	15

Number of cores and nominal cross section mm <sup>2</sup>	from stock	Copper figure kg/km	Overall diameter appr. mm	Overall diameter max. value appr. mm	Weight appr. kg / km	Current carrying capacity ground A*	Current carrying capacity air A*
<b>6 / 10 kV</b>							
1 x 35 RM/16	●	540	23	28	820	187	197
1 x 50 RM/16	●	690	24	29	960	220	236
1 x 70 RM/16	○	890	26	31	1.150	269	292
1 x 95 RM/16	○	1.140	27	32	1.450	320	358
1 x 120 RM/16	●	1.390	29	34	1.700	363	413
1 x 150 RM/25	○	1.795	30	35	2.000	405	468
1 x 185 RM/25	○	2.145	32	37	2.350	456	535
1 x 240 RM/25	●	2.695	34	39	2.900	526	631
1 x 300 RM/25	○	3.295	36	41	3.550	591	722
1 x 400 RM/35	○	4.410	40	45	4.500	662	827
1 x 500 RM/35	○	5.410	43	48	5.550	744	949



Number of cores and nominal cross section mm <sup>2</sup>	from stock	Copper figure kg/km	Overall diameter	Overall diameter	Weight kg / km	Current carrying capacity ground A*	Current carrying capacity air A*
			appr. mm	max. value appr. mm			
<b>12 / 20 kV</b>							
1 x 35 RM/16	●	540	27	32	1.000	189	200
1 x 50 RM/16	●	690	28	33	1.150	222	239
1 x 70 RM/16	○	890	30	35	1.350	271	297
1 x 95 RM/16	○	1.140	31	36	1.600	323	361
1 x 120 RM/16	○	1.390	33	38	1.850	367	416
1 x 150 RM/25	○	1.795	34	39	2.250	409	470
1 x 185 RM/25	○	2.145	36	41	2.600	461	538
1 x 240 RM/25	○	2.695	39	44	3.150	532	634
1 x 300 RM/25	○	3.295	41	46	3.800	599	724
1 x 400 RM/35	○	4.410	44	49	4.750	671	829
1 x 500 RM/35	○	5.410	47	52	5.800	754	953

Number of cores and nominal cross section mm <sup>2</sup>	from stock	Copper figure kg/km	Overall diameter	Overall diameter	Weight kg / km	Current carrying capacity ground A*	Current carrying capacity air A*
			appr. mm	max. value appr. mm			
<b>18 / 30 kV</b>							
1 x 50 RM/16	●	690	33	38	1.350	225	241
1 x 70 RM/16	○	890	35	40	1.600	274	299
1 x 95 RM/16	○	1.140	36	41	1.900	327	363
1 x 120 RM/16	○	1.390	38	43	2.200	371	418
1 x 150 RM/25	○	1.795	39	44	2.550	414	472
1 x 185 RM/25	○	2.145	41	46	2.950	466	539
1 x 240 RM/25	○	2.695	43	48	3.500	539	635
1 x 300 RM/25	○	3.295	46	51	4.150	606	725
1 x 400 RM/35	○	4.410	49	54	5.150	680	831
1 x 500 RM/35	○	5.410	52	57	6.200	765	953

\* trefoil touching arrangement