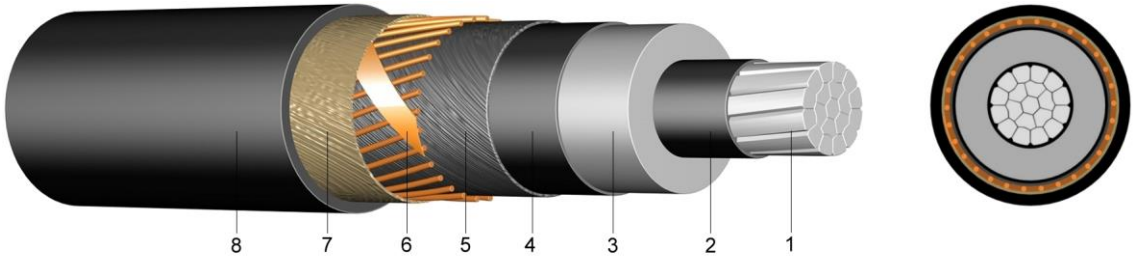
NA2XS(F)2Y Single-Core XLPE Insulated Cable with PE Outer Sheath, longitudinally watertight

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



Construction:

1 ..... stranded (RM) aluminium wire
2 ..... inner layer of semi-conducting material
3 ..... core insullation of cross-linked polyethylene
4 ..... outer layer of semi-conducting material
5 ..... swellable tape
6 ..... screen of copper wires
7 ..... waterproofing tape
8 ..... outer sheath of polyethylene (PE), black

Standards:

DIN VDE 0276-620
HD 620 S1: 1995
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 +70°C
	fixed		-20°C till +70°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 mm²	from stock	Aluminium figure kg/km	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*
6 / 10 kV								
1 x 50 RM/16	●	147	190	24	29	670	171	183
1 x 70 RM/16	○	206	190	26	31	770	209	226
1 x 95 RM/16	●	279	190	27	32	880	248	278
1 x 120 RM/16	○	353	190	29	34	950	283	321
1 x 150 RM/25	●	441	295	30	35	1.150	315	364
1 x 185 RM/25	●	544	295	32	37	1.250	357	418
1 x 240 RM/25	●	706	295	34	39	1.500	413	494
1 x 300 RM/25	●	882	295	36	41	1.700	466	568
1 x 400 RM/35	○	1.176	410	40	45	2.100	529	660
1 x 500 RM/35	○	1.470	410	43	48	2.450	602	767
1 x 630 RM/35	○	1.853	410	49	54	3.060	**	**

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Number of cores and nominal cross section mm²	from stock	Aluminium figure kg/km	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*
12 / 20 kV								
1 x 50 RM/16	●	147	190	28	33	820	172	185
1 x 70 RM/16	●	206	190	30	35	930	210	231
1 x 95 RM/16	●	279	190	31	36	1.050	251	280
1 x 120 RM/16	●	353	190	33	38	1.150	285	323
1 x 150 RM/25	●	441	295	34	39	1.350	319	366
1 x 185 RM/25	●	544	295	36	41	1.500	361	420
1 x 240 RM/25	●	706	295	39	44	1.750	417	496
1 x 300 RM/25	●	882	295	41	46	2.000	471	569
1 x 400 RM/35	●	1.176	410	44	49	2.350	535	660
1 x 500 RM/35	●	1.470	410	47	52	2.800	609	766
1 x 630 RM/35	●	1.853	410	52	57	3.400	**	**
1 x 800 RM/35	○	2.352	410	58	63	4.400	**	**

Number of cores and nominal cross section mm²	from stock	Aluminium figure kg/km	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*
18 / 30 kV								
1 x 50 RM/16	●	147	190	33	38	1.100	174	187
1 x 70 RM/16	○	206	190	35	40	1.200	213	232
1 x 95 RM/16	●	279	190	36	41	1.350	254	282
1 x 120 RM/16	●	353	190	38	43	1.450	289	325
1 x 150 RM/25	●	441	295	39	44	1.700	322	367
1 x 185 RM/25	○	544	295	41	46	1.850	364	421
1 x 240 RM/25	●	706	295	43	48	2.050	422	496
1 x 300 RM/25	●	882	295	46	51	2.350	476	568
1 x 400 RM/35	●	1.176	410	49	54	2.800	541	650
1 x 500 RM/35	●	1.470	410	50	55	3.091	616	764
1 x 630 RM/35	●	1.853	410	58	63	3.790	**	**
1 x 800 RM/35	○	2.352	410	61	66	4.400	**	**

* trefoil touching arrangement
** for conductor cross-sections above 500 mm ², to calculate according to the specific laying and operating conditions.

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