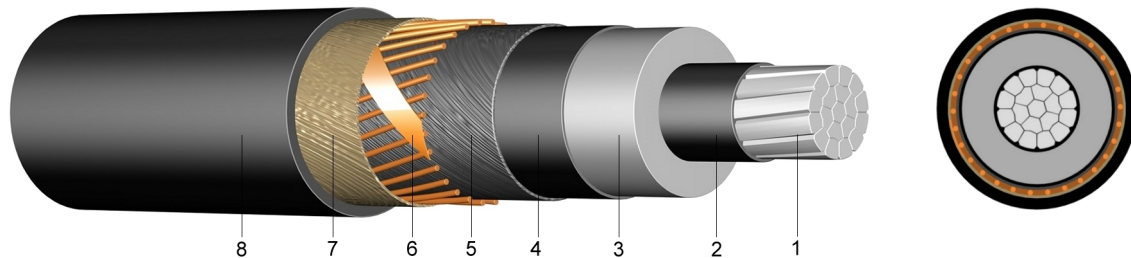


NA2XS(F)2Y Single-Core XLPE Insulated Cable with PE Outer Sheath, longitudinally watertight

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 insulation 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
Short circuit time	max.	[sec]	5
Bending radius	min.	x diameter	15

Number of cores and nominal cross section mm ²	Aluminium figure	Copper figure	Overall diameter	Overall diameter max.	Weight	Current carrying capacity ground	Current carrying capacity air
	kg/km	kg/km	appr. mm	value appr. mm	appr. kg/km	A*	A*
6 / 10 kV							
1 x 50 RM/16	147	182,4	24	29	670	171	183
1 x 70 RM/16	206	182,4	26	31	770	209	226
1 x 95 RM/16	279	182,4	27	32	880	248	278
1 x 120 RM/16	353	182,4	29	34	950	283	321
1 x 150 RM/25	441	283,2	30	35	1.150	315	364
1 x 185 RM/25	544	283,2	32	37	1.250	357	418
1 x 240 RM/25	706	283,2	34	39	1.500	413	494
1 x 300 RM/25	882	283,2	36	41	1.700	466	568
1 x 400 RM/35	1.176	393,6	40	45	2.100	529	660
1 x 500 RM/35	1.479	393,6	43	48	2.450	602	767
1 x 630 RM/35	1.853	393,6	49	54	3.060	**	**

Number of cores and nominal cross section mm ²	Aluminium figure	Copper figure	Overall diameter	Overall diameter max. value	Weight	Current carrying capacity ground	Current carrying capacity air
	kg/km	kg/km	appr. mm	appr. mm	appr. kg/km	A*	A*
12 / 20 kV							
1 x 50 RM/16	147	182,4	28	33	820	172	185
1 x 70 RM/16	206	182,4	30	35	930	210	231
1 x 95 RM/16	279	182,4	31	36	1.050	251	280
1 x 120 RM/16	353	182,4	33	38	1.150	285	323
1 x 150 RM/25	441	283,2	34	39	1.350	319	366
1 x 185 RM/25	544	283,2	36	41	1.500	361	420
1 x 240 RM/25	706	283,2	39	44	1.750	417	496
1 x 300 RM/25	882	283,2	41	46	2.000	471	569
1 x 400 RM/35	1.176	393,6	44	49	2.350	535	660
1 x 500 RM/35	1.470	393,6	47	52	2.800	609	766
1 x 630 RM/35	1.903	393,6	52	57	3.400	**	**
1 x 800 RM/35	2.352	393,6	58	63	4.400	**	**

Number of cores and nominal cross section mm ²	Aluminium figure	Copper figure	Overall diameter	Overall diameter max. value	Weight	Current carrying capacity ground	Current carrying capacity air
	kg/km	kg/km	appr. mm	appr. mm	appr. kg/km	A*	A*
18 / 30 kV							
1 x 50 RM/16	147	182,4	33	38	1.100	174	187
1 x 70 RM/16	206	182,4	35	40	1.200	213	232
1 x 95 RM/16	279	182,4	36	41	1.350	254	282
1 x 120 RM/16	353	182,4	38	43	1.450	289	325
1 x 150 RM/25	441	283,2	39	44	1.700	322	367
1 x 185 RM/25	544	283,2	41	46	1.850	364	421
1 x 240 RM/25	706	283,2	43	48	2.050	422	496
1 x 300 RM/25	882	283,2	46	51	2.350	476	568
1 x 400 RM/35	1.176	393,6	49	54	2.800	541	650
1 x 500 RM/35	1.510	393,6	50	55	3.091	616	764
1 x 630 RM/35	1.853	393,6	58	63	3.790	**	**
1 x 800 RM/35	2.352	393,6	61	66	4.400	**	**

* trefoil touching arrangement

** for conductor cross-sections above 500 mm², to calculate according to the specific laying and operating conditions.