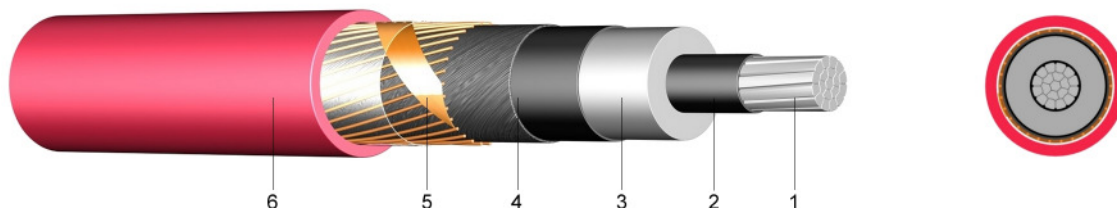


NA2XSy

XLPE Insulated Single-Core Cable with PVC Outer Sheath

Application:

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



Construction:

- 1 stranded (RM) aluminium wires
- 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 polyvinylchloride (PVC), red

According to:

DIN VDE0276-620
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		- 5°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
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²	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 35 RM/16	103	190	23	28	700	145	150
1 x 50 RM/16	147	190	24	29	750	171	180
1 x 70 RM/16	206	190	26	31	850	208	220
1 x 95 RM/16	279	190	27	32	950	248	270
1 x 120 RM/16	353	190	29	34	1.050	283	320
1 x 150 RM/25	441	295	30	35	1.300	315	360
1 x 185 RM/25	544	295	32	37	1.400	357	410
1 x 240 RM/25	706	295	34	39	1.650	413	490
1 x 300 RM/25	882	295	36	40	1.850	466	560
1 x 400 RM/35	1.176	410	40	45	2.300	529	660

Datasheet

Version 1/2009

Number of cores and nominal cross section mm ²	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	950	172	18
1 x 70 RM/16	206	190	30	35	1.050	210	23
1 x 95 RM/16	279	190	31	36	1.150	251	28
1 x 120 RM/16	353	190	33	38	1.300	285	32
1 x 150 RM/25	441	295	34	39	1.500	319	36
1 x 185 RM/25	544	295	36	41	1.650	361	42
1 x 240 RM/25	706	295	39	44	1.850	417	49
1 x 300 RM/25	882	295	41	46	2.100	471	56
1 x 400 RM/35	1.176	410	44	49	2.550	535	66

Number of cores and nominal cross section mm ²	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	36	41	1.190	175	18
1 x 70 RM/16	206	190	37	42	1.315	214	23
1 x 95 RM/16	279	190	39	43	1.450	256	28
1 x 120 RM/16	353	190	40	45	1.580	290	32
1 x 150 RM/25	441	295	42	47	1.800	324	36
1 x 185 RM/25	544	295	44	49	1.965	366	41
1 x 240 RM/25	706	295	46	51	2.230	426	49
1 x 300 RM/25	882	295	49	53	2.470	479	56
1 x 400 RM/35	1.176	410	51	56	2.920	545	65

* trefoil touching arrangement