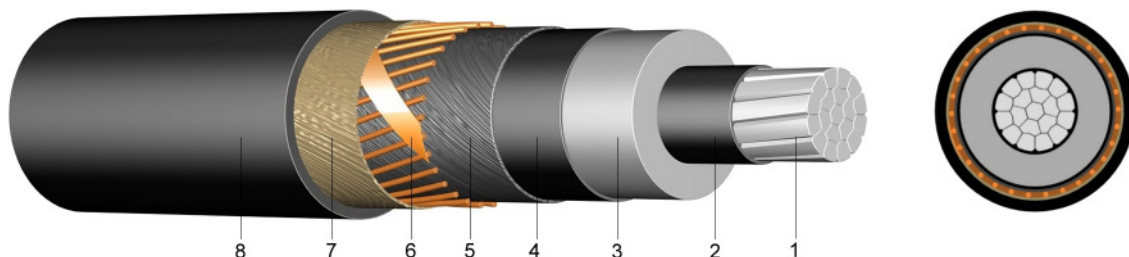


NA2XS(F)2Y Single-Core XLPE Insulated Cable with PE Outer Sheath, longitudinally watertight

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 anti-twist tape
- 8 outer sheath of polyethylene (PE), black

According to: 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
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 50 RM/16	147	190	24	29	670	171	185
1 x 70 RM/16	206	190	26	31	770	209	225
1 x 95 RM/16	279	190	27	32	880	248	270
1 x 120 RM/16	353	190	29	34	950	283	320
1 x 150 RM/25	441	295	30	35	1.150	315	360
1 x 185 RM/25	544	295	32	37	1.250	357	410
1 x 240 RM/25	706	295	34	39	1.500	413	490
1 x 300 RM/25	882	295	36	41	1.700	466	560
1 x 400 RM/35	1.176	410	40	45	2.100	529	660
1 x 500 RM/35	1.479	410	43	48	2.450	602	760

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	820	172	18
1 x 70 RM/16	206	190	30	35	930	210	23
1 x 95 RM/16	279	190	31	36	1.050	251	28
1 x 120 RM/16	353	190	33	38	1.150	285	32
1 x 150 RM/25	441	295	34	39	1.350	319	36
1 x 185 RM/25	544	295	36	41	1.500	361	42
1 x 240 RM/25	706	295	39	44	1.750	417	49
1 x 300 RM/25	882	295	41	46	2.000	471	56
1 x 400 RM/35	1.176	410	44	49	2.350	535	66
1 x 500 RM/35	1.470	410	47	52	2.800	609	76

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	33	38	1.100	174	18
1 x 70 RM/16	206	190	35	40	1.200	213	23
1 x 95 RM/16	279	190	36	41	1.350	254	28
1 x 120 RM/16	353	190	38	43	1.450	289	32
1 x 150 RM/25	441	295	39	44	1.700	322	36
1 x 185 RM/25	544	295	41	46	1.850	364	42
1 x 240 RM/25	706	295	43	48	2.050	422	49
1 x 300 RM/25	882	295	46	51	2.350	476	56
1 x 400 RM/35	1.176	410	49	54	2.800	541	65

* trefoil touching arrangement