

N2XS(F)2Y (E-2XHCJ2Y)
NA2XS(F)2Y (E-A2XHCJ2Y)

Single-Core XLPE Insulated Cable with PE Outer Sheath, longitudinally watertight

according to DIN VDE 0276-620 / ÖVE - K620



Construction

Conductor of stranded bare copper or aluminium wires, inner layer of semi-conducting material, insulation of cross-linked polyethylene (XLPE), screen of semi-conducting compound, semi-conducting swellable tape, screen of copper wires and anti-twist tape, black polyethylene outer sheath, with normalised marking and meter marking.

Application

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

Temperature range

- 20°C till + 80°C

Admissible conductor temperature + 90°C

Admissible short circuit temperature + 250°C

(for the duration of max. 5 s)

Number of cores and nominal cross section	Price	Aluminium figure	Copper figure	Overall diameter		Weight	Current carrying *	
				min. value	max. value		ca. ground	air
mm²	EUR / km	kg / km	kg / km	ca. mm		kg / km	A	
N2XS(F)2Y 6/10 KV								
1 x 50 RM / 16	9.458,70	--	690	24	29	950	220	234
1 x 70 RM / 16	10.729,40	--	890	26	31	1150	269	292
1 x 95 RM / 16	12.375,30	--	1140	27	32	1450	321	354
1 x 120 RM / 16	14.356,00	--	1390	29	34	1700	364	407
1 x 150 RM / 25	16.569,60	--	1795	30	35	2050	405	460
1 x 185 RM / 25	18.969,70	--	2145	32	37	2450	457	527
1 x 240 RM / 25	22.594,50	--	2695	34	39	3000	528	621
1 x 300 RM / 25	26.474,20	--	3295	36	41	3600	593	709
1 x 400 RM / 35	33.487,70	--	4410	40	45	4500	665	815
1 x 500 RM / 35	42.078,50	--	5410	43	48	5550	739	921
NA2XS(F)2Y 6/10 KV								
1 x 35 RM / 16	8.477,00	103	190	23	28	600	144	151
1 x 50 RM / 16	9.067,60	147	190	24	29	670	171	181
1 x 70 RM / 16	10.017,30	206	190	26	31	770	209	226
1 x 95 RM / 16	11.154,50	279	190	27	32	880	249	275
1 x 120 RM / 16	12.396,70	353	190	29	34	950	283	317
1 x 150 RM / 25	13.815,10	441	295	30	35	1150	316	359
1 x 185 RM / 25	15.402,80	544	295	32	37	1250	358	412
1 x 240 RM / 25	17.722,50	706	295	34	39	1500	416	489
1 x 300 RM / 25	20.155,80	882	295	36	41	1700	469	559
1 x 400 RM / 35	25.179,40	1176	410	40	45	2100	532	651
1 x 500 RM / 35	32.767,40	1470	410	43	48	2450	602	767

* trefoil touching arrangement

Number of cores and nominal cross section	Price	Aluminium figure	Copper figure	Overall diameter		Weight	Current carrying *	
				min. value	max. value		capacity ground	air
mm²	EUR / km	kg / km	kg / km	ca. mm		kg / km	A	
N2XS(F)2Y 12/20 KV								
1 x 35 RM / 16	12.649,00	--	540	27	32	950	189	199
1 x 50 RM / 16	13.522,30	--	690	28	33	1100	223	238
1 x 70 RM / 16	15.079,40	--	890	30	35	1350	273	296
1 x 95 RM / 16	17.105,40	--	1140	31	36	1650	325	358
1 x 120 RM / 16	19.451,10	--	1390	33	38	1900	368	412
1 x 150 RM / 25	21.952,80	--	1795	34	39	2300	410	466
1 x 185 RM / 25	24.855,60	--	2145	36	41	2650	463	532
1 x 240 RM / 25	28.053,30	--	2695	39	44	3250	534	627
1 x 300 RM / 25	31.768,20	--	3295	41	46	3850	601	715
1 x 400 RM / 35	37.373,50	--	4410	44	49	4750	674	819
1 x 500 RM / 35	48.748,60	--	5410	47	52	5850	750	927
NA2XS(F)2Y 12/20 KV								
1 x 50 RM / 16	11.943,60	147	190	28	33	820	173	184
1 x 70 RM / 16	12.699,90	206	190	30	35	930	211	229
1 x 95 RM / 16	13.723,70	279	190	31	36	1050	252	278
1 x 120 RM / 16	14.910,20	353	190	33	38	1150	287	320
1 x 150 RM / 25	16.400,70	441	295	34	39	1350	320	363
1 x 185 RM / 25	18.232,80	544	295	36	41	1500	362	415
1 x 240 RM / 25	20.456,30	706	295	39	44	1750	421	493
1 x 300 RM / 25	23.332,40	882	295	41	46	2000	474	563
1 x 400 RM / 35	29.283,40	1176	410	44	49	2350	538	652
1 x 500 RM / 35	41.081,80	1470	410	47	52	2800	609	766
N2XS(F)2Y 18/30 KV								
1 x 120 RM / 16	23.618,30	--	1390	38	43	2150	373	416
1 x 150 RM / 25	25.944,70	--	1795	39	44	2550	415	469
1 x 185 RM / 25	28.781,50	--	2145	41	46	2950	468	536
1 x 240 RM / 25	32.125,60	--	2695	43	48	3500	541	630
1 x 300 RM / 25	35.798,80	--	3295	46	51	4150	608	717
1 x 400 RM / 35	41.157,40	--	4410	49	54	5050	684	823
1 x 500 RM / 35	54.311,60	--	5410	52	57	6200	762	929
NA2XS(F)2Y 18/30 KV								
1 x 50 RM / 16	16.376,90	147	190	33	38	1100	175	187
1 x 70 RM / 16	17.049,40	206	190	35	40	1200	214	232
1 x 95 RM / 16	18.137,90	279	190	36	41	1350	256	281
1 x 120 RM / 16	19.494,80	353	190	38	43	1450	290	323
1 x 150 RM / 25	21.048,00	441	295	39	44	1700	324	365
1 x 185 RM / 25	22.873,60	544	295	41	46	1850	366	418
1 x 240 RM / 25	24.903,40	706	295	43	48	2050	426	494
1 x 300 RM / 25	27.060,20	882	295	46	51	2350	479	564
1 x 400 RM / 35	33.960,70	1176	410	49	54	2800	545	654
1 x 500 RM / 35	47.647,20	1470	410	52	57	3200	616	764

* trefoil touching arrangement