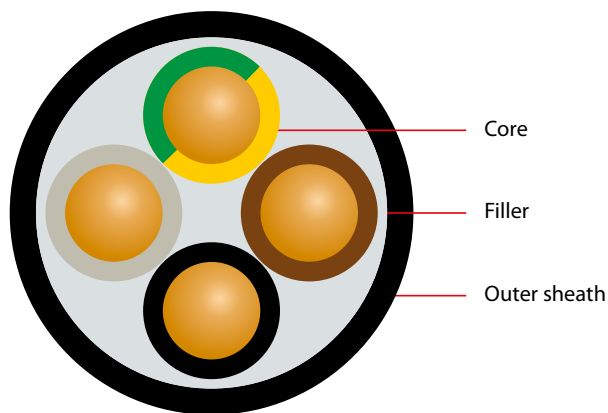


N2XY-FR-O/J 0.6/1kV Fca

acc. to VDE 0276-603

**APPLICATION**

For indoor and outdoor installation, in the ground, for power stations, industry and distribution boards or subscriber networks, where protection against contact voltage is required in the case of mechanical damage. (See DIN VDE 0298-1.) The core insulation of XLPE allows a higher operating temperature than a comparable cable with PVC core insulation.

CONSTRUCTION**Conductor:** copper, bare, single-wire or multi-wire**Core insulation:** XLPE (cross-linked polyethylene)**Core identification:** colours acc. to DIN VDE 0293**Core stranding:** cores twisted to layers**Outer sheath:** PVC-FR; colour: black**ELECTRICAL CHARACTERISTICS**Nominal voltage U_0 / U 0.6/1 kV

Test voltage 4 kV

THERMAL & MECHANICAL PROPERTIES

Operating temperature -5°C to +90°C

Temperature at conductor max. +90°C

CONDUCTOR TYPES

(acc. to DIN VDE 0295)

RE round, single-wire

RM round, multi-wire

RMv round, multi-wire, compressed SM sectorial form, multi-wire

SMv sectorial form, multi-wire, compressed

No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
N2XY-FR-O				
1 x 6	RE	9.0	125	58
1 x 10	RE	10.0	170	96
1 x 16	RE	11.0	235	154
1 x 25	RM	13.0	340	240
1 x 35	RM	14.0	440	336
1 x 50	RM	15.0	565	480
1 x 70	RM	17.0	775	672
1 x 95	RM	19.0	1030	912
1 x 120	RM	20.0	1270	1152
1 x 150	RM	22.0	1545	1440
1 x 185	RM	24.0	1905	1776
1 x 240	RM	27.0	2450	2304
1 x 300	RM	29.0	3020	2880
1 x 400	RM	32.0	3900	3840
1 x 500	RM	36.0	4940	4788
1 x 630	RM	41.0	6195	6048
1 x 800	RM	48.0	8160	7895
3 x 1.5	RE	12.0	215	43
3 x 2.5	RE	13.0	260	72
3 x 4	RE	14.0	330	115
3 x 6	RE	16.0	415	173
3 x 10	RE	17.0	575	288
3 x 16	RE	19.0	785	461
3 x 25	RM	25.0	1230	720
3 x 35	SM	25.0	1375	1008
3 x 50	SM	27.0	1800	1440
3 x 70	SM	31.0	2435	2016
3 x 95	SM	34.0	3280	2736
3 x 120	SM	38.0	4025	3456
3 x 150	SM	42.0	4985	4320
3 x 185	SM	47.0	6150	5328
3 x 240	SM	52.0	7915	6912
3 x 25/16	RM/RE	27.0	1490	874
3 x 35/16	RM/RE	28.0	1825	1162
3 x 50/25	SM/RM	30.0	2185	1680
3 x 70/35	SM/RM	35.0	3010	2352
3 x 95/50	SM/RM	39.0	4020	3216
3 x 120/70	SM/RM	43.0	5010	4128
3 x 150/70	SM/RM	48.0	6090	4992
3 x 185/95	SM/RM	53.0	7635	6240
3 x 240/120	SM/RM	59.0	9805	8064
3 x 300/150	SM/RM	65.0	12100	10080

Subject to changes due to technical progress and error



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No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km	No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
N2XY-FR-O					N2XY-FR-J				
4 x 1.5	RE	13.0	250	58	3 x 1.5	RE	12.0	215	43
4 x 2.5	RE	14.0	300	96	3 x 2.5	RE	13.0	260	72
4 x 4	RE	15.0	395	154	3 x 4	RE	14.0	325	115
4 x 6	RE	17.0	500	230	3 x 6	RE	15.0	405	173
4 x 10	RE	19.0	700	384	3 x 10	RE	17.0	565	288
4 x 16	RE	21.0	980	614	3 x 16	RE	19.0	780	461
4 x 16	RM	23.0	1040	614	3 x 25	RM	25.0	1230	720
4 x 25	RM	27.0	1525	960	3 x 35	SM	24.0	1385	1008
4 x 35	SM	27.0	1780	1344	3 x 50	SM	27.0	1790	1440
4 x 50	SM	30.0	2320	1920	3 x 70	SM	30.0	2425	2016
4 x 70	SM	35.0	3195	2688	3 x 95	SM	34.0	3265	2736
4 x 95	SM	39.0	4270	3648	3 x 120	SM	38.0	4000	3561
4 x 120	SM	43.0	5335	4608	3 x 150	SM	42.0	4945	4320
4 x 150	SM	48.0	6515	5760	3 x 185	SM	46.0	6100	5328
4 x 185	SM	53.0	8090	7104	3 x 240	SM	52.0	7900	6912
5 x 1.5	RE	14.0	285	72	4 x 1.5	RE	13.0	250	58
5 x 2.5	RE	15.0	355	120	4 x 2.5	RE	14.0	300	96
5 x 4	RE	16.0	460	192	4 x 4	RE	15.0	385	154
5 x 6	RE	18.0	590	288	4 x 6	RE	17.0	490	230
5 x 10	RE	20.0	845	480	4 x 10	RE	19.0	690	384
5 x 16	RE	23.0	1185	768	4 x 16	RE	21.0	965	614
5 x 16	RM	24.0	1255	768	4 x 16	RM	22.0	1005	614
7 x 1.5	RE	15.0	330	101	4 x 25	RM	26.0	1470	960
7 x 2.5	RE	16.0	415	168	4 x 35	SM	27.0	1770	1362
7 x 4	RE	18.0	550	269	4 x 50	SM	30.0	2310	1920
10 x 1.5	RE	18.0	440	144	4 x 70	SM	35.0	3185	2688
10 x 2.5	RE	19.0	565	240	4 x 95	SM	39.0	4255	3648
10 x 4	RE	21.0	770	384	4 x 120	SM	43.0	5320	4608
12 x 1.5	RE	18.0	480	173	4 x 150	SM	48.0	6465	5760
12 x 2.5	RE	20.0	620	288	4 x 185	SM	53.0	8070	7104
12 x 4	RE	22.0	855	461	4 x 240	SM	59.0	10425	9216
14 x 1.5	RE	19.0	530	202	4 x 300	SM	64.0	12880	11520
14 x 2.5	RE	21.0	690	336	5 x 1.5	RE	14.0	285	72
14 x 4	RE	23.0	960	538	5 x 2.5	RE	15.0	355	120
19 x 1.5	RE	21.0	645	274	5 x 4	RE	16.0	450	192
19 x 2.5	RE	23.0	835	456	5 x 6	RE	18.0	580	288
19 x 4	RE	25.0	1200	731	5 x 10	RE	20.0	825	480
24 x 1.5	RE	24.0	800	346	5 x 16	RE	22.0	1160	768
24 x 2.5	RE	26.0	1065	576	5 x 16	RM	24.0	1215	768
30 x 1.5	RE	25.0	925	432	7 x 1.5	RE	15.0	330	101
30 x 2.5	RE	27.0	1245	720	7 x 2.5	RE	16.0	415	168
40 x 1.5	RE	28.0	1155	576	7 x 4	RE	17.0	540	269
40 x 2.5	RE	30.0	1580	960					

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No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km	No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
N2XY-FR-J									
10 x 1.5	RE	18.0	440	144					
10 x 2.5	RE	19.0	565	240					
10 x 4	RE	21.0	740	384					
12 x 1.5	RE	18.0	480	173					
12 x 2.5	RE	20.0	620	288					
12 x 4	RE	22.0	825	461					
14 x 1.5	RE	19.0	530	202					
14 x 2.5	RE	21.0	690	336					
14 x 4	RE	23.0	930	538					
19 x 1.5	RE	21.0	645	274					
19 x 2.5	RE	23.0	855	456					
19 x 4	RE	25.0	1165	730					
24 x 1.5	RE	24.0	795	346					
24 x 2.5	RE	26.0	1055	576					
30 x 1.5	RE	25.0	920	432					
30 x 2.5	RE	27.0	1235	720					
40 x 1.5	RE	27.0	1145	576					
40 x 2.5	RE	30.0	1570	960					

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