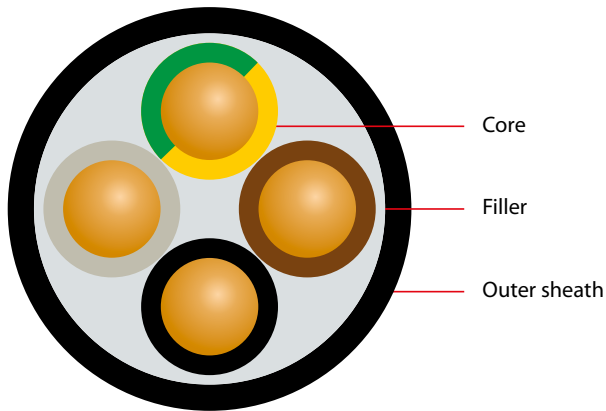


N2XH-O/J 0.6/1kV

acc. to VDE 0276-604



APPLICATION

Low-smoke, zero-halogen, flame retardant power cable. For fixed indoor and outdoor installation. Can be placed in concrete. Not for direct burial in earth or application in water.

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: halogen-free compound; colour: black

BEHAVIOUR UNDER FIRE CONDITIONS

Zero halogen, non corrosive gases: IEC 60754, DIN EN 50267

Fire retardant: IEC 60332-3-24 cat. C, DIN EN 50266-2-4

Smoke density: IEC 61034, DIN EN 61034

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0 / U 0.6/1 kV

Test voltage 4 kV

THERMAL & MECHANICAL PROPERTIES

Temperature during installation -5°C to +70°C

Temperature stationary -30°C to +70°C

Temperature at conductor max. +90°C

Bending radius stationary 12 x diameter

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
N2XH-O				
1 x 4	RE	9.0	140	38
1 x 6	RE	10.0	160	58
1 x 10	RE	11.0	210	96
1 x 16	RE	12.0	270	154
1 x 25	RM	14.0	380	240
1 x 35	RM	15.0	490	336
1 x 50	RMv	16.0	620	480
1 x 70	RMv	18.0	830	672
1 x 95	RMv	20.0	1200	912
1 x 120	RMv	22.0	1275	1152
1 x 150	RMv	24.0	1700	1440
1 x 185	RMv	26.0	2200	1776
1 x 240	RMv	29.0	2750	2304
1 x 300	RMv	30.0	3300	2880
1 x 400	RMv	32.0	4420	3840
1 x 500	RMv	37.0	4866	4800
2 x 1.5	RE	12.0	180	29
2 x 2.5	RE	12.1	210	48
2 x 4	RE	13.0	270	77
2 x 6	RE	14.0	340	115
2 x 10	RE	16.0	450	192
2 x 16	RE	18.0	600	307
2 x 25	RM	23.0	980	480
3 x 1.5	RE	12.0	200	43
3 x 2.5	RE	13.0	225	72
4 x 4	RE	15.0	352	154
4 x 6	RE	16.0	454	230
4 x 10	RE	18.0	647	384
4 x 16	RE	20.0	964	614
4 x 25	RM	26.0	1446	960
4 x 35	SM	29.0	1906	1344
4 x 50	SMv	32.0	2530	1920
4 x 70	SMv	37.0	3418	2688
4 x 95	SMv	41.0	4574	3648
4 x 120	SMv	48.0	5300	4608

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
N2XH-J					N2XH-J				
3 x 1.5	RE	12.0	179	43	7 x 1.5	RE	14.0	206	101
3 x 2.5	RE	13.0	225	72	7 x 2.5	RE	15.0	287	168
3 x 4	RE	14.0	291	115	7 x 4	RE	15.0	530	269
3 x 6	RE	15.0	371	173	10 x 1.5	RE	17.0	287	144
3 x 10	RE	16.0	523	288	10 x 2.5	RE	18.0	472	240
3 x 16	RE	20.0	773	461	12 x 1.5	RE	17.0	328	173
3 x 25	RM	22.0	1200	720	14 x 1.5	RE	17.0	383	202
3 x 35	SM	25.0	1600	1008	14 x 2.5	RE	19.0	670	336
3 x 50	SMv	26.0	1800	1440	19 x 1.5	RE	19.0	484	274
3 x 25/16	RM	24.0	1200	874	19 x 2.5	RE	21.0	840	456
3 x 35/16	SM	26.0	1640	1162	24 x 1.5	RE	22.0	603	346
3 x 50/25	SMv	32.0	2200	1680	24 x 2.5	RE	25.0	1050	576
3 x 70/35	SMv	37.0	2950	2352	30 x 1.5	RE	23.0	730	432
3 x 95/50	SMv	41.0	3900	3216	30 x 2.5	RE	26.0	1230	720
3 x 120/70	SMv	45.0	4800	4128	40 x 1.5	RE	26.0	1200	576
3 x 150/70	SMv	49.0	5750	4992					
3 x 185/95	SMv	55.0	7200	6240					
3 x 240/120	SMv	62.0	9150	8064					
4 x 1.5	RE	13.0	208	58					
4 x 2.5	RE	14.0	265	96					
4 x 4	RE	15.0	352	154					
4 x 6	RE	16.0	454	230					
4 x 10	RE	18.0	647	384					
4 x 16	RE	20.0	964	614					
4 x 25	RM	26.0	1446	960					
4 x 35	SM	29.0	1906	1344					
4 x 50	SMv	32.0	2530	1920					
4 x 70	SMv	37.0	3418	2688					
4 x 95	SMv	41.0	4574	3648					
4 x 120	SMv	48.0	5300	4608					
4 x 150	SMv	50.0	6350	5760					
4 x 185	SMv	53.0	7800	7104					
4 x 240	SMv	58.0	10300	9216					
5 x 1.5	RE	14.0	243	72					
5 x 2.5	RE	15.0	310	120					
5 x 4	RE	16.0	413	192					
5 x 6	RE	17.0	536	288					
5 x 10	RE	19.0	776	480					
5 x 16	RE	22.0	1165	768					
5 x 25	RM	25.0	1766	1200					
5 x 35	RM	28.8	2155	1680					

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