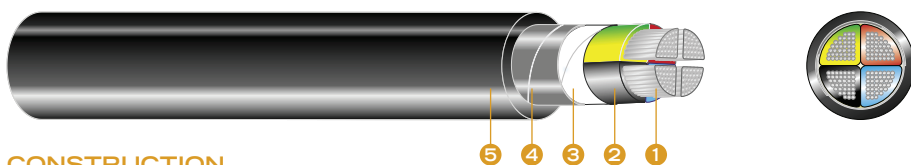


NAYBY

Armoured power cables 0,6/1 kV













CONSTRUCTION

- 1 **Conductor:** Al
- 2 **Insulation:** PVC
- 3 **Core:** EPDM
- 4 **Armour:** Two steel tapes
- 5 **Jacket:** PVC

SPECIFICATION

Type	Standard
AI-PVC/DTA/PVC	IEC 60502
AI-PVC/DTA/PVC	BS 6346
NAYBY	VDE 0271
PP 41-A	JUS N.C5.220

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +70 °C
	Maximum operating temperature	+70 °C
	Short circuit temperature	+160 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	15 x Ø cable
	Coat colour	Black

APPLICATION

For power distribution in urban networks and industrial plants and places where mechanical damage may be expected.

TECHNICAL DATA

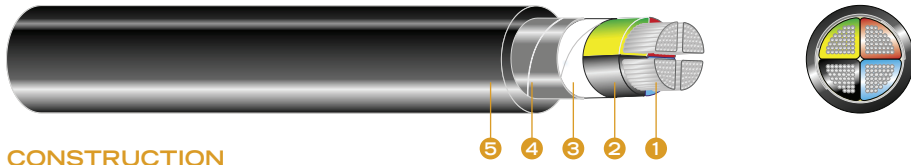
No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
3 x 16	RM	1,91	-	-	23,0	139	720	500	14
3 x 25	RM	1,20	82	102	29,0	217	980	500	16
3 x 25/16	RM/RM	1,20/1,91	82	102	31,0	263	1040	1000	16
3 x 35/16	SM/RM	0,868/1,91	100	123	29,0	350	1545	1000	16
3 x 50/25	SM/RM	0,641/1,20	119	144	33,0	507	1590	1000	18
3 x 70/35	SM/SM	0,443/0,868	191	196	37,0	710	1520	1000	20
3 x 95/50	SM/SM	0,320/0,641	234	234	42,0	971	2350	1000	22
3 x 120/70	SM/SM	0,253/0,443	273	268	44,0	1247	2850	500	18
3 x 150/70	SM/SM	0,206/0,443	311	300	49,0	1508	3350	500	20
3 x 185/95	SM/SM	0,164/0,320	360	342	52,0	1885	3920	500	20

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
3 x 240/120	SM/SM	0,125/0,253	427	398	57,0	2436	4850	500	22
4 x 16	RM	1,91	-	-	23,0	185	845	1000	16
4 x 25	RM	1,20	81	102	29,0	290	1155	1000	16
4 x 35	SM	0,868	99	123	28,0	406	950	1000	16
4 x 50	SM	0,641	119	144	33,0	580	1250	1000	18
4 x 70	SM	0,443	152	179	38,0	812	1520	1000	20
4 x 95	SM	0,320	186	215	44,0	1102	2220	500	16
4 x 120	SM	0,253	216	245	46,0	1392	2750	500	18
4 x 150	SM	0,206	246	275	49,0	1740	3250	500	20
4 x 185	SM	0,164	285	313	52,0	2146	3820	500	20
4 x 240	SM	0,125	338	364	58,0	2784	4650	500	22

NOTE: All thickness, diameters and weights are approximate, exact values will be determined per customer specific request. Kapis Group offers a variety of jacketing materials in different colours depending on application and customer's needs. Packing is available in different lengths and reel sizes.

NA2XBY

Armoured power cables 0,6/1 kV



CONSTRUCTION

- 1 **Conductor:** Al
- 2 **Insulation:** XLPE
- 3 **Core:** EPDM
- 4 **Armour:** Two steel tapes
- 5 **Jacket:** PVC

SPECIFICATION

Type	Standard
Al-XLPE/DTA/PVC	IEC 60502
Al-XLPE/DTA/PVC	BS 5467
NA2XBY	VDE 0276-603
XP 41-A	JUS N.C5.230

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +90 °C
	Maximum operating temperature	+90 °C
	Short circuit temperature	+250 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	15 x Ø cable
	Coat colour	Black

APPLICATION

For power distribution in urban networks and industrial plants and places where mechanical damage may be expected.

TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
3 x 16	RM	1,91	-	-	23,0	139	710	500	12
3 x 25	RM	1,20	102	112	29,0	217	980	500	16
3 x 25/16	RM/RM	1,20/1,91	101	112	31,0	263	1090	1000	18
3 x 70/35	SM/SM	0,443/0,868	191	196	37,0	710	1560	1000	20
3 x 95/50	SM/SM	0,320/0,641	234	234	42,0	971	1970	1000	22
3 x 120/70	SM/SM	0,253/0,443	273	268	44,0	1247	2340	1000	18
3 x 150/70	SM/SM	0,206/0,443	311	300	49,0	1508	3050	500	20
3 x 185/95	SM/SM	0,164/0,320	360	342	52,0	1885	3650	500	20
3 x 240/120	SM/SM	0,125/0,320	427	398	57,0	2436	4640	500	22

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
4 x 16	RM	1,91	-	-	23,0	185	815	1000	16
4 x 25	RM	1,20	102	112	29,0	290	1125	1000	16
4 x 35	SM	0,868	149	135	28,0	406	925	1000	16
4 x 50	SM	0,641	149	158	33,0	580	1050	1000	18
4 x 70	SM	0,443	191	196	39,0	812	1220	1000	20
4 x 95	SM	0,320	234	234	44,0	1102	1820	500	16
4 x 120	SM	0,253	273	268	46,0	1392	2250	500	18
4 x 150	SM	0,206	311	300	49,0	1740	2750	500	20
4 x 185	SM	0,164	360	342	52,0	2146	3320	500	20
4 x 240	SM	0,125	427	398	58,0	2784	4050	500	22

NOTE: All thickness, diameters and weights are approximate, exact values will be determined per customer specific request. Kapis Group offers a variety of jacketing materials in different colours depending on application and customer's needs. Packing is available in different lengths and reel sizes.

NAYY

Power cables 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Al
- ② **Insulation:** PVC
- ③ **Core:** EPDM
- ④ **Jacket:** PVC

SPECIFICATION

Type	Standard
NAYY	HD 603 S1: Part 3G. (DIN VDE 0276 T 603)
PP 00-A	JUS N.C5.220
Al-PVC/PVC	IEC 60502
Al-PVC/PVC	BS 6346

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +70 °C
	Maximum operating temperature	+70 °C
	Short circuit temperature	+160 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

A power cable suitable for laying in air, soil, water, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids - where mechanical damages are not expected, and cables are not exposed to excessive pulling forces.

TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 16	RM	1,91	-	-	12,1	46	150	1000	10
1 x 25	RM	1,20	110	160	13,2	73	196	1000	10
1 x 35	RM	0,868	135	193	13,7	102	240	1000	10
1 x 50	RM	0,641	166	230	15,5	145	315	1000	10
1 x 70	RM	0,443	210	283	17,5	203	405	1000	12
1 x 95	RM	0,320	259	340	19,6	276	520	1000	12
1 x 120	RM	0,253	302	389	21,1	348	615	1000	13
1 x 150	RM	0,206	345	436	23,2	435	740	1000	13
1 x 185	RM	0,164	401	496	25,8	537	904	1000	14
1 x 240	RM	0,125	479	578	28,2	696	1115	1000	15

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 300	RM	0,100	555	656	31,9	870	1435	1000	16
1 x 400	RM	0,077	653	756	34,9	1160	1820	500	15
1 x 500	RM	0,061	772	873	39,3	1450	2230	500	16
1 x 630	RM	0,049	915	1011	44,1	1827	2600	500	18
3 x 25/16	RM/RM	1,20/1,91	82	102	26,5	263	576	500	14
3 x 35/16	RM/RM	0,868/1,91	100	123	29,5	351	705	500	14
3 x 50/25	SM/RM	0,641/0,120	119	144	32,1	507	973	500	15
3 x 70/35	SM/RM	0,443/0,868	152	179	35,7	710	1256	500	14
3 x 95/50	SM/RM	0,320/0,641	186	215	41,3	971	1670	500	15
3 x 120/50	SM/RM	0,253/0,641	216	245	44,4	1189	1985	500	16
3 x 120/70	SM/RM	0,253/0,443	216	245	44,4	1247	2045	500	18
3 x 150/70	SM/RM	0,206/0,443	246	275	49,4	1508	2480	500	20
3 x 185/95	SM/RM	0,164/0,320	285	313	54,5	1885	3076	500	20
3 x 240/120	SM/RM	0,125/0,253	338	364	61,0	2436	3846	500	22
3 x 70/35	SM/SM	0,443/0,868	152	179	29,4	710	1286	500	14
3 x 95/50	SM/SM	0,320/0,641	186	215	32,9	971	1720	500	14
3 x 120/70	SM/SM	0,253/0,443	216	245	35,4	1247	2095	500	14
3 x 150/70	SM/SM	0,206/0,443	246	275	39,5	1508	2560	500	15
3 x 185/95	SM/SM	0,164/0,320	285	313	43,3	1885	3145	500	16
3 x 240/120	SM/SM	0,125/0,253	338	364	48,8	2436	3940	500	18
4 x 16	RM	1,91	-	-	23,1	185	690	500	12
4 x 25	RM	1,20	81	102	26,6	290	960	500	12
4 x 35	RM	0,868	99	123	29,2	406	1180	500	14
4 x 35	SM	0,686	99	123	26,5	406	805	500	12
4 x 50	SM	0,641	119	144	29,6	580	1060	500	14
4 x 70	SM	0,443	152	179	33,4	812	1418	500	14
4 x 95	SM	0,32	186	215	37,9	1102	1865	500	14
4 x 120	SM	0,253	216	245	41,3	1392	2258	500	16
4 x 150	SM	0,206	246	275	45,1	1740	2745	500	16
4 x 185	SM	0,164	285	313	49,4	2146	3355	500	18
4 x 240	SM	0,125	338	364	55,7	2784	4250	500	20
4 x 300	SM	0,100	400	419	61,0	3480	5170	500	22
5 x 16	RM	1,90	-	-	23,8	232	725	500	12
5 x 25	RM	1,20	82	102	28,8	363	1060	500	14
5 x 35	RM	0,868	100	123	31,8	507	1305	500	14
5 x 50	RM	0,641	119	144	37,5	725	1750	500	14
5 x 70	RM	0,443	152	179	43,4	1015	2427	500	16
5 x 95	RM	0,320	186	215	49,5	1380	3220	500	18
5 x 120	RM	0,253	216	245	54,5	1740	3890	500	20

CU-CONTROL CONDUCTOR (BLACK)

Cross sectional area	Overall diameter (approx)	Max. resistance of conductor at 20 °C	Net weight
mm ²	mm	Ω/km	kg/km
1,5	2,9	12,08	20
2,5	3,5	7,136	32

NA2XY

Power cables 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Al
- ② **Insulation:** XLPE
- ③ **Core:** EPDM
- ④ **Jacket:** PVC

SPECIFICATION

Type	Standard
NA2XY	HD 603 S1: Part 5G, DIN VDE 0276-603 5G-2
XP 00-A	JUS N.C5.220
Al-XLPE/PVC	IEC 60502

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +90 °C
	Maximum operating temperature	+90 °C
	Short circuit temperature	+250 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

A power cable suitable for laying in air, soil, water, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids - where mechanical damages are not expected, and cables are not exposed to excessive pulling forces.

TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 16	RM	1,91	-	-	10,2	46	122	1000	10
1 x 25	RM	1,20	136	177	11,9	73	169	1000	10
1 x 35	RM	0,868	166	212	13,0	102	206	1000	11
1 x 50	RM	0,641	205	252	14,9	145	267	1000	11
1 x 70	RM	0,443	260	310	17,0	203	358	1000	12
1 x 95	RM	0,320	321	372	18,9	276	451	1000	12
1 x 120	RM	0,253	376	425	20,7	348	546	1000	12
1 x 150	RM	0,206	431	476	22,7	435	655	500	12
1 x 185	RM	0,164	501	541	25,1	537	800	500	13
1 x 240	RM	0,125	600	631	27,6	696	987	500	14

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 300	RM	0,100	696	716	31,9	870	1324	1000	16
1 x 400	RM	0,077	821	825	34,9	1160	1640	500	15
1 x 500	RM	0,061	971	952	39,3	1450	2030	500	16
1 x 630	RM	0,049	1151	1102	44,1	1827	2400	500	18
3 x 25/16	RM/RM	1,238/1,20	101	112	24,4	263	515	500	12
3 x 35/16	RM/RM	0,885/1,91	125	134	27,1	351	622	500	13
3 x 50/25	SM/RM	0,641/1,20	149	158	27,8	507	805	500	14
3 x 70/35	SM/RM	0,443/0,868	191	196	32,0	710	1085	500	14
3 x 95/50	SM/RM	0,320/0,641	234	234	35,6	971	1390	500	15
3 x 120/50	SM/RM	0,253/0,648	273	268	39,8	1189	1710	500	16
3 x 120/70	SM/RM	0,253/0,443	273	268	39,8	1247	1770	500	16
3 x 150/70	SM/RM	0,206/0,443	311	300	43,8	1508	2163	500	16
3 x 185/95	SM/RM	0,164/0,320	360	342	48,5	1885	2647	500	18
3 x 240/120	SM/RM	0,125/0,253	427	398	54,1	2436	3298	500	20
3 x 70/35	SM/SM	0,443/0,868	191	196	28,8	710	935	500	14
3 x 95/50	SM/SM	0,320/0,641	234	234	32,2	971	1120	500	14
3 x 120/70	SM/SM	0,253/0,443	273	268	34,6	1247	1430	500	14
3 x 150/70	SM/SM	0,206/0,443	311	300	38,5	1508	1950	500	15
3 x 185/95	SM/SM	0,164/0,320	360	342	42,4	1885	2345	500	16
3 x 240/120	SM/SM	0,125/0,253	427	398	47,2	2436	2980	500	18
4 x 16	RM	1,91	-	-	22,1	185	596	1000	12
4 x 25	RM	1,20	102	112	26,2	290	851	500	12
4 x 35	RM	0,868	126	135	28,9	406	1055	500	14
4 x 35	SM	0,868	126	135	25,8	406	690	500	12
4 x 50	SM	0,641	149	158	28,4	580	832	500	14
4 x 70	SM	0,443	191	196	32,4	812	1147	500	14
4 x 95	SM	0,32	234	234	32,4	1102	1460	500	14
4 x 120	SM	0,253	273	268	40,6	1392	1861	500	16
4 x 150	SM	0,206	311	300	44,8	1740	2318	500	16
4 x 185	SM	0,164	360	342	49,2	2146	2866	500	18
4 x 240	SM	0,125	427	398	54,9	2784	3616	500	20
4 x 300	SM	0,100	507	457	58,8	3480	4500	500	22
5 x 16	RM	1,91	-	-	23,4	232	625	500	12
5 x 25	RM	1,20	102	112	28,2	363	950	500	14
5 x 35	RM	0,868	126	135	31,0	507	1195	500	14
5 x 50	RM	0,641	149	158	36,8	725	1540	500	14
5 x 70	RM	0,443	191	196	42,8	1015	2240	500	16
5 x 95	RM	0,320	234	234	48,5	1380	3015	500	18
5 x 120	RM	0,253	273	268	53,6	1740	3580	500	20

CU-CONTROL CONDUCTOR (BLACK)

Cross sectional area	Overall diameter (approx)	Max. resistance of conductor at 20 °C	Net weight
mm ²	mm	Ω/km	kg/km
1,5	2,9	12,08	20
2,5	3,5	7,136	32

E-AYY

Power cables 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Al
- ② **Insulation:** PVC
- ③ **Core:** EPDM
- ④ **Jacket:** PVC

SPECIFICATION

Type	Standard	
E-AYY	HD 603 S1: Part 3A	
	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +70 °C
	Maximum operating temperature	+70 °C
	Short circuit temperature	+160 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

A power cable suitable for laying in air, soil, water, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids - where mechanical damages are not expected, and cables are not exposed to excessive pulling forces.

TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 16	RM	1,91	-	-	12,1	46	150	1000	10
1 x 25	RM	1,2	110	160	13,2	73	196	1000	10
1 x 35	RM	0,868	135	193	13,7	102	240	1000	10
1 x 50	RM	0,641	166	230	15,1	145	302	1000	10
1 x 70	RM	0,443	210	283	16,9	203	386	1000	12
1 x 95	RM	0,320	259	340	19,9	276	500	1000	12
1 x 120	RM	0,253	302	389	20,4	348	586	1000	13
1 x 150	RM	0,206	345	436	22,6	435	716	1000	13
1 x 185	RM	0,164	401	496	24,2	537	884	1000	14
1 x 240	RM	0,125	479	578	27,2	696	1078	1000	15
1 x 300	RM	0,100	550	654	31,1	870	1385	1000	16
1 x 400	RM	0,077	653	756	33,9	1160	1760	500	15

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 500	RM	0,061	772	873	37,8	1450	2095	500	16
1 x 630	RM	0,049	-	-	42,4	1827	2415	500	18
3 x 25/16	RM/RM	1,20/1,91	81	102	26,5	263	576	500	14
3 x 35/16	RM/RM	0,868/1,91	99	122	29,5	351	705	500	14
3 x 50/25	SM/RM	0,641/1,20	119	144	31,8	507	945	500	15
3 x 70/35	SM/RM	0,443/0,868	152	179	34,9	710	1186	500	14
3 x 95/50	SM/RM	0,320/0,641	186	215	40,3	971	1563	500	15
3 x 120/50	SM/RM	0,253/0,641	216	245	43,5	1189	1845	500	16
3 x 120/70	SM/RM	0,253/0,443	216	245	43,5	1247	1936	500	18
3 x 150/70	SM/RM	0,206/0,443	246	275	48,6	1508	2340	500	20
3 x 185/95	SM/RM	0,164/0,320	285	313	53,5	1885	2970	500	20
3 x 240/120	SM/RM	0,125/0,320	338	364	59,2	2436	3650	500	22
3 x 70/35	SM/SM	0,443/0,868	152	179	28,9	710	1186	500	14
3 x 95/50	SM/SM	0,320/0,641	186	215	32,9	971	1610	500	14
3 x 120/70	SM/SM	0,253/0,443	216	245	34,6	1247	1906	500	14
3 x 150/70	SM/SM	0,206/0,443	246	275	38,5	1508	2430	500	15
3 x 185/95	SM/SM	0,164/0,320	285	313	42,0	1885	2985	500	16
3 x 240/120	SM/SM	0,125/0,253	338	364	46,8	2436	3740	500	18
4 x 16	RM	1,91	-	-	23,1	185	690	500	12
4 x 25	RM	1,20	81	102	26,7	290	960	500	12
4 x 35	RM	0,868	99	122	29,2	406	1180	500	14
4 x 35	SM	0,868	99	122	26,5	406	805	500	12
4 x 50	SM	0,641	119	144	29,4	580	980	500	14
4 x 70	SM	0,443	152	179	32,6	812	1290	500	14
4 x 95	SM	0,32	186	215	36,2	1102	1685	500	14
4 x 120	SM	0,253	216	245	40,2	1392	2030	500	16
4 x 150	SM	0,206	246	275	44,2	1740	2575	500	16
4 x 185	SM	0,164	285	313	48,0	2148	3120	500	18
4 x 240	SM	0,125	338	364	53,4	2784	4020	500	20
4 x 300	SM	0,10	400	419	58,2	3480	4860	500	22
5 x 16	RM	1,91	-	-	23,8	230	725	500	12
5 x 25	RM	1,20	82	102	28,8	363	1060	500	14
5 x 35	RM	0,868	100	123	31,8	507	1305	500	14
5 x 50	RM	0,641	119	144	36,8	725	1680	500	14
5 x 70	RM	0,443	152	179	42,6	1015	2268	500	16
5 x 95	RM	0,320	186	215	48,6	1380	3006	500	18
5 x 120	RM	0,253	216	245	53,4	1740	3580	500	20

CU-CONTROL CONDUCTOR (BLACK)

Cross sectional area	Overall diameter (approx)	Max. resistance of conductor at 20 °C	Net weight
mm ²	mm	Ω/km	kg/km
1,5	2,9	12,08	20
2,5	3,5	7,136	32

E-AY2Y










Power cables 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Al
- ② **Insulation:** PVC
- ③ **Core:** EPDM
- ④ **Jacket:** HDPE

SPECIFICATION

Type	Standard	
E-AY2Y	HD 603 S1: Part 3A	
	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +70 °C
	Maximum operating temperature	70 °C
	Short circuit temperature	160 °C/5s
	Colour of insulation	HD 308. S2
	Coat colour	Black
	Minimum bending radius	12 x Ø cable

APPLICATION

A power cable suitable for laying in air, soil, water, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids - where mechanical damages are not expected, and cables are not exposed to excessive pulling forces.

TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 16	RM	1,91	-	-	12,1	46	150	1000	10
1 x 25	RM	1,20	110	159	13,2	73	196	1000	10
1 x 35	RM	0,868	135	193	13,7	102	240	1000	10
1 x 50	RM	0,641	166	230	15,1	145	302	1000	10
1 x 70	RM	0,834	210	283	16,9	203	386	1000	12
1 x 95	RM	0,320	259	340	19,0	276	500	1000	12
1 x 120	RM	0,253	302	389	20,4	348	586	1000	13
1 x 150	RM	0,206	345	436	22,6	435	716	1000	13
1 x 185	RM	0,164	401	496	24,2	537	884	1000	14
1 x 240	RM	0,125	479	578	27,2	696	1790	1000	15
1 x 300	RM	0,100	550	654	31,1	870	1385	1000	16
1 x 400	RM	0,077	653	756	33,9	1160	1760	500	15
1 x 500	RM	0,061	772	873	37,8	1450	2095	500	16
1 x 630	RM	0,049	-	-	42,4	1827	2415	500	18

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
3 x 70/35	SM/SM	0,443/0,868	152	179	28,8	710	1186	500	14
3 x 95/50	SM/SM	0,320/0,641	186	215	32,9	971	1610	500	14
3 x 120/70	SM/SM	0,253/0,443	216	245	34,6	1247	1906	500	14
3 x 150/70	SM/SM	0,206/0,443	246	275	38,5	1508	2430	500	15
3 x 185/95	SM/SM	0,164/0,320	285	313	42,0	1885	2985	500	16
3 x 240/120	SM/SM	0,125/0,253	338	364	46,8	2436	3740	500	18
3 x 25/16	RM/RM	1,20/1,91	81	102	26,5	263	576	500	14
3 x 35/16	RM/RM	0,868/1,91	99	122	29,5	351	705	500	14
3 x 50/25	SM/RM	0,641/1,20	157	188	31,8	507	945	500	15
3 x 70/35	SM/RM	0,443/0,868	199	232	34,9	710	1186	500	14
3 x 95/50	SM/RM	0,320/0,641	246	242	40,3	971	1563	500	15
3 x 120/50	SM/RM	0,253/0,641	285	280	43,5	1189	1845	500	16
3 x 120/70	SM/RM	0,253/0,443	326	318	43,5	1247	1936	500	18
3 x 150/70	SM/RM	0,206/0,443	374	359	48,6	1508	2340	500	20
3 x 185/95	SM/RM	0,164/0,320	445	406	53,5	1885	2970	500	20
3 x 240/120	SM/RM	0,125/0,253	338	473	59,2	2436	3650	500	22
4 x 16	RM	1,91	-	-	23,6	185	690	500	12
4 x 25	RM	1,20	81	102	26,7	290	960	500	12
4 x 35	RM	0,868	99	122	29,2	420	1180	500	14
4 x 35	SM	0,868	99	122	26,5	406	805	500	12
4 x 50	SM	0,641	119	144	29,4	580	980	500	14
4 x 70	SM	0,443	152	179	32,6	812	1290	500	14
4 x 95	SM	0,32	186	215	36,2	1102	1685	500	14
4 x 120	SM	0,253	216	245	40,2	1392	2030	500	16
4 x 150	SM	0,206	246	275	44,2	1740	2575	500	16
4 x 185	SM	0,164	285	313	48,0	2146	3120	500	18
4 x 240	SM	0,125	338	364	53,4	2784	4020	500	20
4 x 300	SM	0,100	400	419	58,2	3480	4860	500	22
5 x 16	RM	1,91	-	-	23,8	230	725	500	12
5 x 25	RM	1,20	81	102	28,8	363	1060	500	14
5 x 35	RM	0,868	99	122	31,8	507	1305	500	14
5 x 50	RM	0,641	119	144	36,8	725	1680	500	14
5 x 70	RM	0,443	152	179	42,6	1015	2268	500	16
5 x 95	RM	0,320	186	215	48,6	1380	3006	500	18
5 x 120	RM	0,253	216	245	53,4	1740	3580	500	20

CU-CONTROL CONDUCTOR (BLACK)

Cross sectional area	Overall diameter (approx)	Max. resistance of conductor at 20 °C	Net weight
mm ²	mm	Ω/km	kg/km
1,5	2,9	12,08	20
2,5	3,5	7,136	32

NAY2Y

Power cables 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Al
- ② **Insulation:** PVC
- ③ **Core:** EPDM
- ④ **Jacket:** HDPE

SPECIFICATION

Type	Standard
NAY2Y	HD 603 S1: Part 3G. (DIN VDE 0276 T 603)
PP 00-A	JUS N.C5.220
Al-PVC/PVC	IEC 60502
Al-PVC/PVC	BS 6346

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +70 °C
	Maximum operating temperature	+70 °C
	Short circuit temperature	+160 °C/5s
	Colour of insulation	HD 308. S2
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

A power cable suitable for laying in air, soil, water, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids - where mechanical damages are not expected, and cables are not exposed to excessive pulling forces.

TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 16	RM	1,91	-	-	12,1	46	120	1000	10
1 x 25	RM	1,20	110	160	13,2	73	170	1000	10
1 x 35	RM	0,868	135	193	13,7	102	205	1000	10
1 x 50	RM	0,641	166	230	15,5	145	275	1000	10
1 x 70	RM	0,443	210	283	17,5	203	365	1000	12
1 x 95	RM	0,320	259	340	19,6	276	468	1000	12
1 x 120	RM	0,253	302	389	21,1	348	570	1000	13
1 x 150	RM	0,206	345	436	23,2	435	685	1000	13
1 x 185	RM	0,164	401	496	25,8	537	834	1000	14
1 x 240	RM	0,125	479	578	28,2	696	1015	1000	15

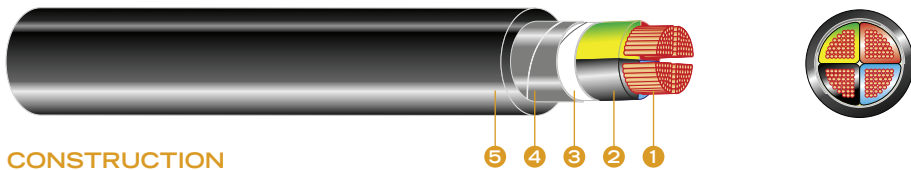
No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Aluminium weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 300	RM	0,100	555	656	31,9	870	1320	1000	16
1 x 400	RM	0,077	653	759	34,9	1160	1640	500	15
1 x 500	RM	0,061	772	873	39,3	1450	2045	500	16
1 x 630	RM	0,049	915	1011	44,1	1827	2390	500	18
3 x 25/16	RM/RM	1,20/1,91	82	102	26,5	263	507	500	14
3 x 35/16	RM/RM	0,868/1,91	100	123	29,5	351	620	500	14
3 x 50/25	SM/RM	0,641/1,20	119	144	32,1	507	890	500	15
3 x 70/35	SM/RM	0,443/0,868	152	179	35,7	710	1076	500	14
3 x 95/50	SM/RM	0,320/0,641	186	215	41,3	971	1436	500	15
3 x 120/50	SM/RM	0,253/0,641	216	245	44,4	1189	1720	500	16
3 x 120/70	SM/RM	0,253/0,443	216	245	44,4	1247	1773	500	18
3 x 150/70	SM/RM	0,206/0,443	246	275	49,4	1508	2150	500	20
3 x 185/95	SM/RM	0,164/0,320	285	313	54,5	1885	2680	500	20
3 x 240/120	SM/RM	0,125/0,253	338	364	61,0	2436	3695	500	22
3 x 70/35	SM/SM	0,443/0,868	152	179	29,4	710	1096	500	14
3 x 95/50	SM/SM	0,320/0,641	186	215	32,9	971	1456	500	14
3 x 120/70	SM/SM	0,253/0,443	216	245	35,4	1247	1798	500	14
3 x 150/70	SM/SM	0,206/0,443	246	275	39,5	1508	2148	500	15
3 x 185/95	SM/SM	0,164/0,320	285	313	43,3	1885	2720	500	16
3 x 240/120	SM/SM	0,125/0,253	338	364	48,8	2436	3376	500	18
4 x 16	RM	1,91	-	-	23,1	185	590	500	12
4 x 25	RM	1,20	81	102	26,7	290	866	500	12
4 x 35	RM	0,868	99	122	29,2	420	1060	500	14
4 x 35	SM	0,868	99	122	26,5	420	760	500	12
4 x 50	SM	0,641	119	144	29,6	580	960	500	14
4 x 70	SM	0,443	152	179	33,4	812	1286	500	14
4 x 95	SM	0,320	186	215	37,9	1102	1725	500	14
4 x 120	SM	0,253	216	245	41,3	1392	2070	500	16
4 x 150	SM	0,206	246	275	45,1	1740	2575	500	16
4 x 185	SM	0,164	285	313	49,4	2146	3173	500	18
4 x 240	SM	0,125	338	364	55,7	2784	4008	500	20
4 x 300	SM	0,100	400	419	61,0	3480	4920	500	22
5 x 16	RM	1,91	-	-	23,8	230	650	500	12
5 x 25	RM	1,20	82	102	28,8	363	975	500	14
5 x 35	RM	0,868	100	123	31,8	507	1200	500	14
5 x 50	RM	0,641	119	144	37,5	725	1685	500	14
5 x 70	RM	0,443	152	179	43,4	1015	2260	500	16
5 x 95	RM	0,320	186	215	49,5	1380	2980	500	18
5 x 120	RM	0,253	216	245	54,5	1740	3630	500	20

CU-CONTROL CONDUCTOR (BLACK)

Cross sectional area	Overall diameter (approx)	Max. resistance of conductor at 20 °C	Net weight
mm ²	mm	Ω/km	kg/km
1,5	2,9	12,08	20
2,5	3,5	7,136	32

NYBY

Armoured power cables 0,6/1 kV



CONSTRUCTION

- 1 **Conductor:** Cu – class 2
- 2 **Insulation:** PVC
- 3 **Core:** EPDM
- 4 **Armour:** Two steel tapes
- 5 **Jacket:** PVC

SPECIFICATION

Type	Standard
PVC/DTA/PVC	IEC 60502
PVC/DTA/PVC	BS 6346
NYBY	VDE 0271
PP 41	JUS N.C5.220

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +70 °C
	Maximum operating temperature	+70 °C
	Short circuit temperature	+160 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	15 x Ø cable
	Coat colour	Black

APPLICATION

For power distribution in urban networks and industrial plants and places where mechanical damage may be expected.

TECHNICAL DATA

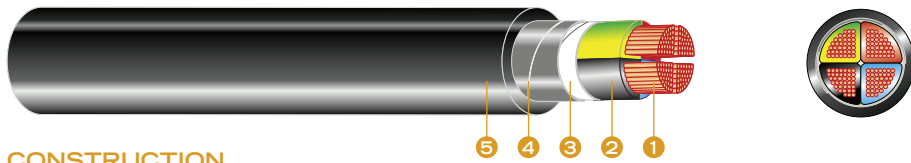
No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
3 x 16	RM	1,15	84	107	23,0	461	1050	500	14
3 x 25	RM	0,727	105	132	29,0	720	1460	500	16
3 x 25/16	RM/RM	0,727/1,15	100	128	31,0	873	1500	1000	16
3 x 35/16	SM/RM	0,524/1,15	122	155	29,0	1162	1805	1000	16
3 x 50/25	SM/RM	0,387/0,727	157	188	33,0	1680	2300	1000	18
3 x 70/35	SM/SM	0,268/0,524	188	225	37,0	2352	3460	1000	20
3 x 95/50	SM/SM	0,193/0,387	232	271	42,0	3216	4600	1000	22
3 x 120/70	SM/SM	0,153/0,268	269	309	44,0	4128	5700	500	18
3 x 150/70	SM/SM	0,124/0,268	308	348	49,0	4992	7065	500	20

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
3 x 185/95	SM/SM	0,0991/0,193	354	394	52,0	6240	8800	500	22
3 x 240/120	SM/SM	0,0754/0,153	419	458	57,0	8064	11160	500	22
4 x 16	RM	1,15	79	102	25,5	614	1300	1000	16
4 x 25	RM	0,727	106	133	31,0	960	1800	1000	16
4 x 35	SM	0,524	129	159	28,5	1344	2200	1000	16
4 x 50	SM	0,387	157	188	33,5	1920	2900	1000	18
4 x 70	SM	0,268	199	232	39,0	2688	4200	1000	20
4 x 95	SM	0,193	246	280	44,0	3648	5200	500	16
4 x 120	SM	0,153	285	318	46,0	4608	6620	500	18
4 x 150	SM	0,124	326	359	49,0	5760	8100	500	20
4 x 185	SM	0,0991	374	406	52,0	7104	9890	500	22
4 x 240	SM	0,0754	445	473	58,0	9216	12220	500	22

NOTE: All thickness, diameters and weights are approximate, exact values will be determined per customer specific request. Kapis Group offers a variety of jacketing materials in different colours depending on application and customer's needs. Packing is available in different lengths and reel sizes.

N2XBY

Armoured power cables 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Cu – class 2
- ② **Insulation:** XLPE
- ③ **Core:** EPDM
- ④ **Armour:** Two steel tapes
- ⑤ **Jacket:** PVC

SPECIFICATION

Type	Standard
XLPE/DTA/PVC	IEC 60502
XLPE/DTA/PVC	BS 5467
N2XBY	VDE 0276-603
XP 41	JUS N.C5.230

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +90 °C
	Maximum operating temperature	+90 °C
	Short circuit temperature	+250 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	15 x Ø cable
	Coat colour	Black

APPLICATION

For power distribution in urban networks and industrial plants and places where mechanical damage may be expected.

TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
3 x 16	RM	1,15	96	111	23,0	461	1020	500	14
3 x 25	RM	0,727	130	143	29,0	720	1430	500	16
3 x 25/16	RM/RM	0,727/1,15	133	145	31,0	873	1470	1000	18
3 x 35/16	SM/RM	0,524/1,15	133	174	29,0	1162	1800	1000	16
3 x 50/25	SM/RM	0,387/0,727	197	206	33,0	1680	2280	1000	18
3 x 70/35	SM/SM	0,268/0,524	73	86	37,0	2352	3410	1000	20
3 x 95/50	SM/SM	0,193/0,387	96	111	42,0	3216	4560	1000	22
3 x 120/70	SM/SM	0,153/0,268	130	143	44,4	4128	5675	500	18
3 x 150/70	SM/SM	0,124/0,268	160	173	49,0	4992	7030	500	20

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
3 x 185/95	SM/SM	0,0991/0,193	195	205	52,0	6240	8760	500	22
3 x 240/120	SM/SM	0,0754/0,153	247	252	57,0	8064	11130	500	22
4 x 16	RM	1,15	98	112	25,5	614	1270	1000	16
4 x 25	RM	0,727	133	145	31,0	960	1760	1000	16
4 x 35	SM	0,524	162	174	28,5	1344	2160	1000	16
4 x 50	SM	0,387	197	206	33,5	1920	2850	1000	18
4 x 70	SM	0,268	250	254	39,0	2688	4140	1000	20
4 x 95	SM	0,193	308	305	44,0	3648	5130	500	16
4 x 120	SM	0,153	359	348	46,0	4608	6570	500	18
4 x 150	SM	0,124	412	392	49,0	5760	8050	500	20
4 x 185	SM	0,0991	475	444	52,0	7104	9810	500	22
4 x 240	SM	0,0754	564	517	58,0	9216	12125	500	22

NOTE: All thickness, diameters and weights are approximate, exact values will be determined per customer specific request. Kapis Group offers a variety of jacketing materials in different colours depending on application and customer's needs. Packing is available in different lengths and reel sizes.

NYY

Power cables 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Cu - class 1 and 2
- ② **Insulation:** PVC
- ③ **Core:** EPDM or PP tape
- ④ **Jacket:** PVC

SPECIFICATION

Type	Standard
NYY	HD 603 S1.Part 3G (DIN VDE 0276 Teil 603)
PP 00	JUS N.C5.220
PVC/PVC	IEC 60502
PVC/PVC	BS 6346

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +70 °C
	Maximum operating temperature	+70 °C
	Short circuit temperature	+160 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

A power cable suitable for laying in air, soil, water, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids - where mechanical damages are not expected, and cables are not exposed to excessive pulling forces.

TECHNICAL DATA

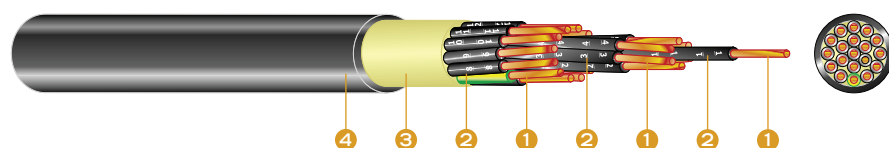
No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 1,5	RE	12,10	27	41	6,6	14	59	1000	6
1 x 2,5	RE	7,41	35	55	7,0	24	72	1000	6
1 x 4	RE	4,61	47	71	7,9	38	98	1000	7
1 x 6	RE	3,08	59	90	8,4	58	122	1000	7
1 x 10	RE	1,83	81	124	9,1	96	180	1000	7
1 x 10	RM	1,83	64	83	9,7	96	179	1000	7
1 x 16	RM	1,15	84	107	10,7	154	246	1000	8
1 x 25	RM	0,727	114	138	12,5	240	358	1000	9
1 x 35	RM	0,524	139	164	13,6	336	462	1000	10

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 50	RM	0,387	169	195	15,4	480	612	1000	10
1 x 70	RM	0,268	213	238	17,2	672	830	1000	12
1 x 95	RM	0,193	264	286	19,5	912	1117	1000	12
1 x 120	RM	0,153	307	325	21,1	1152	1377	1000	14
1 x 150	RM	0,124	352	365	23,0	1440	1674	1000	14
1 x 185	RM	0,0991	406	413	25,7	1776	2094	1000	14
1 x 240	RM	0,0754	483	479	28,7	2304	2709	1000	16
1 x 300	RM	0,0601	557	541	31,5	2880	3328	500	14
1 x 400	RM	0,0470	646	614	34,5	3840	4250	500	18
1 x 500	RM	0,0366	747	693	38,2	4800	5200	500	20
1 x 630	RM	0,0283	1187	1468	42,0	6050	6500	500	22
2 x 1,5	RE	12,10	21	30	11,6	29	193	1000	8
2 x 2,5	RE	7,41	28	39	12,4	48	230	1000	9
2 x 4	RE	4,61	37	50	14,1	77	313	1000	9
2 x 6	RE	3,08	47	62	15,1	115	379	1000	10
2 x 10	RE	1,83	64	83	16,7	192	510	1000	10
2 x 10	RM	1,83	64	83	17,8	192	560	1000	12
2 x 16	RM	1,15	87	115	19,9	307	741	1000	12
2 x 25	RM	0,727	118	150	23,3	480	1076	1000	14
2 x 35	RM	0,524	149	183	26,0	672	1352	1000	14
3 x 1,5	RE	12,10	19	27	12,0	43	214	1000	9
3 x 2,5	RE	7,41	26	36	12,9	72	263	1000	9
3 x 4	RE	4,61	34	46	14,8	115	363	1000	10
3 x 6	RE	3,08	43	58	15,9	173	446	1000	10
3 x 10	RE	1,83	59	78	17,6	288	616	1000	11
3 x 10	RM	1,83	59	79	18,7	288	672	1000	12
3 x 16	RM	1,15	79	102	21,0	461	904	1000	12
3 x 25	RM	0,727	106	133	25,1	720	1327	500	12
3 x 35	RM	0,524	129	159	27,5	1008	1685	500	12
3 x 16/10	RM/RM	1,15/1,83	79	102	21,3	556	775	1000	12
3 x 25/10	RM/RM	0,727/1,83	106	133	25,5	816	1105	500	12
3 x 25/16	RM/RM	0,727/1,15	106	133	25,5	873	1155	500	12
3 x 35/16	RM/RM	0,524/1,15	129	159	28,3	1161	1456	500	12
3 x 35/25	SM/RM	0,524/0,727	129	159	28,3	1248	1538	500	13
3 x 35/25	RM/RM	0,524/0,727	122	155	28,3	1248	1538	500	13
3 x 50/25	SM/RM	0,387/0,727	157	188	30,1	1680	2029	500	12
3 x 70/35	SM/RM	0,268/0,524	199	232	33,6	2352	2750	500	14
3 x 70/50	SM/RM	0,268/0,387	199	232	33,6	2496	2900	500	14
3 x 95/50	SM/RM	0,193/0,387	246	280	38,7	3216	3780	500	15
3 x 120/70	SM/RM	0,153/0,268	285	318	28,5	4128	4715	500	15
3 x 150/70	SM/RM	0,124/0,268	326	359	46,2	4992	5650	500	16
3 x 185/95	SM/RM	0,099/0,193	374	406	50,9	6240	7146	500	18
3 x 240/120	SM/RM	0,075/0,153	445	473	56,1	8064	9175	500	20
3 x 50/35	SM/SM	0,387/0,524	180	210	29,5	1776	2250	500	12
3 x 70/35	SM/SM	0,268/0,524	188	225	33,3	2352	2850	500	13
3 x 95/50	SM/SM	0,193/0,387	232	271	37,6	3216	3860	500	14
3 x 120/70	SM/SM	0,153/0,268	269	309	40,3	4128	4775	500	15
3 x 150/70	SM/SM	0,124/0,268	308	348	44,7	4992	5680	500	15
3 x 185/95	SM/SM	0,099/0,193	354	394	50,2	6240	7150	500	18
3 x 240/120	SM/SM	0,0754/0,153	419	458	55,5	8064	9185	500	20
4 x 1,5	RE	12,10	19	27	13,0	58	220	1000	10
4 x 2,5	RE	7,41	25	36	13,9	96	290	1000	10
4 x 4,0	RE	4,61	34	47	15,8	154	400	1000	11
4 x 6,0	RE	3,08	43	59	16,9	230	510	1000	11
4 x 10	RE	1,83	59	79	19,1	384	720	1000	12
4 x 16	RM	1,15	79	102	22,0	614	1050	1000	13

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
4 x 25	RM	0,727	106	133	27,8	960	1646	500	12
4 x 35	RM	0,524	129	159	30,5	1344	2117	500	14
4 x 35	SM	0,524	129	159	25,8	1344	1750	500	12
4 x 50	SM	0,387	157	188	29,9	1920	2253	500	12
4 x 70	SM	0,268	199	232	33,2	2688	3097	500	14
4 x 95	SM	0,193	246	280	38,6	3648	4245	500	16
4 x 120	SM	0,153	285	318	41,8	4608	5263	500	16
4 x 150	SM	0,124	326	359	46,7	5760	6502	500	16
4 x 185	SM	0,0991	374	406	51,3	7104	8065	500	20
4 x 240	SM	0,0754	445	473	58,3	9216	10583	500	22
5 x 1,5	RE	12,10	19	27	13,3	72	258	1000	10
5 x 2,5	RE	7,41	25	36	14,3	120	330	1000	10
5 x 4	RE	4,61	34	47	16,7	192	469	500	9
5 x 6	RE	3,08	43	59	18,1	288	599	500	9
5 x 10	RE	1,83	59	79	20,6	480	890	500	10
5 x 10	RM	1,830	59	78	22,4	480	961	500	10
5 x 16	RM	1,150	78	101	25,7	768	1354	500	12
5 x 25	RM	0,727	105	132	30,3	1200	1996	500	14
5 x 35	RM	0,524	129	159	34,6	1680	2631	500	14
5 x 50	RM	0,387	157	188	38,6	2400	3459	500	16
5 x 70	RM	0,268	199	232	44,1	3360	4735	500	16
5 x 95	RM	0,193	246	280	50,6	4560	6432	500	20

NYY signal cables

Signal cables













CONSTRUCTION

- 1 **Conductor:** Cu – class 1
- 2 **Insulation:** PVC
- 3 **Core:** EPDM
- 4 **Jacket:** PVC

SPECIFICATION

Type	Standard
NY	HD 603 S1.Part 3G (DIN VDE 0276 Teil 603)
PP 00-Y	JUS N.C5.220
PVC/PVC	IEC 60502
PVC/PVC	BS 6346

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +70 °C
	Maximum operating temperature	+70 °C
	Short circuit temperature	+160 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

A power cable suitable for laying in air, soil, water, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids - where mechanical damages are not expected, and cables are not exposed to excessive pulling forces.

TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
7 x 1,5	RE	12,10	12	16	29,9	101	280	1000	10
7 x 2,5	RE	7,41	16	20	33,2	168	375	1000	10
7 x 4	RE	4,61	20	29	38,6	269	545	1000	12
8 x 1,5	RE	12,10	11	15	14,9	115	305	1000	10
8 x 2,5	RE	7,41	15	19	16,2	192	420	1000	10
8 x 4	RE	4,61	17	24	19,6	307	641	1000	12
10 x 1,5	RE	12,10	10	13	17,0	144	395	1000	12
10 x 2,5	RE	7,41	14	17	18,6	240	536	1000	12
10 x 4	RE	4,61	18	26	22,9	387	790	1000	14

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
12 x 1,5	RE	12,10	10	12	17,5	173	435	1000	12
12 x 2,5	RE	7,41	13	16	19,2	288	595	1000	12
12 x 4	RE	4,61	16	22	24,0	460	876	1000	14
14 x 1,5	RE	12,10	9	12	19,1	202	480	1000	12
14 x 2,5	RE	7,41	13	15	20,0	336	670	1000	12
14 x 4	RE	4,61	15	20	25,1	538	990	1000	14
16 x 1,5	RE	12,10	8	10	19,1	230	540	1000	12
16 x 2,5	RE	7,41	12	14	21,8	384	678	1000	14
16 x 4	RE	4,61	13	19	26,3	614	1116	1000	14
19 x 1,5	RE	12,10	8	10	20,0	274	650	1000	12
19 x 2,5	RE	7,41	11	14	22,8	456	850	1000	14
19 x 4	RE	4,61	13	19	27,6	730	1265	1000	14

OTHER POSSIBLE CONSTRUCTIONS

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
21 x 1,5	RE	12,10	7	9	21,7	302	710	1000	14
21 x 2,5	RE	7,41	10	12	24,2	504	994	1000	14
24 x 1,5	RE	12,10	7	9	24,5	346	825	1000	14
24 x 2,5	RE	7,41	10	12	26,5	576	1136	1000	15
30 x 1,5	RE	12,10	7	9	25,1	432	925	1000	16
30 x 2,5	RE	7,41	9	11	27,6	720	1326	1000	16
40 x 1,5	RE	12,10	6	8	27,4	576	1205	1000	16
40 x 2,5	RE	7,41	9	10	30,6	960	1705	1000	18
60 x 1,5	RE	12,10	5	8	32,5	864	1695	1000	20
60 x 2,5	RE	7,41	8	9	36,5	1140	2452	1000	20

NY2Y










Power cables 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Cu – class 1 and 2
- ② **Insulation:** PVC
- ③ **Core:** EPDM or PP tape
- ④ **Jacket:** HDPE

SPECIFICATION

Type	Standard	
NY2Y	VDE 0276, Teil 603 (=HD 603 S1. Part 3G)	
	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +70 °C
	Maximum operating temperature	+70 °C
	Short circuit temperature	+160 °C/5s
	Colour of insulation	HD 308. S2
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

A power cable suitable for laying in air, soil, water, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids - where mechanical damages are not expected, and cables are not exposed to excessive pulling forces.

TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 1,5	RE	12,10	27	41	6,6	14	44	1000	6
1 x 2,5	RE	7,41	35	55	7,0	24	58	1000	6
1 x 4	RE	4,61	47	71	7,9	38	74	1000	7
1 x 6	RE	3,08	59	90	8,4	58	102	1000	7
1 x 10	RE	1,83	81	124	9,1	96	162	1000	7
1 x 10	RM	1,830	81	124	9,7	96	158	1000	7
1 x 16	RM	1,150	107	160	10,7	154	218	1000	8
1 x 25	RM	0,727	144	208	12,5	240	338	1000	9
1 x 35	RM	0,524	176	250	13,6	336	442	1000	10
1 x 50	RM	0,387	214	296	15,4	480	573	1000	10
1 x 70	RM	0,268	270	365	17,2	672	792	1000	12
1 x 95	RM	0,193	334	438	19,5	912	1023	1000	12
1 x 120	RM	0,153	389	501	21,1	1152	1225	1000	14
1 x 150	RM	0,124	446	563	23,0	1440	1438	1000	14

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 185	RM	0,0991	516	639	25,7	1776	1967	1000	14
1 x 240	RM	0,0754	618	746	28,7	2304	2945	1000	16
1 x 300	RM	0,0601	717	848	31,5	2880	3150	500	14
1 x 400	RM	0,0440	843	975	34,5	3840	4035	500	18
1 x 500	RM	0,0366	994	1125	38,2	4800	5006	500	20
1 x 630	RM	0,0283	1180	1304	42,0	6050	6280	500	22
2 x 1,5	RE	12,10	22	34	11,6	29	125	1000	8
2 x 2,5	RE	7,41	30	45	12,4	48	161	1000	9
2 x 4	RE	4,61	40	59	14,1	77	230	1000	9
2 x 6	RE	3,08	51	73	15,1	115	305	1000	10
2 x 10	RE	1,83	63	82	16,7	192	453	1000	11
2 x 10	RM	1,83	63	98	17,8	192	594	1000	12
2 x 16	RM	1,15	85	127	19,9	307	654	1000	12
2 x 25	RM	0,727	112	163	22,3	480	975	1000	14
2 x 35	RM	0,524	148	178	26,0	672	1280	1000	14
3 x 1,5	RE	12,10	19	27	12,0	43	140	1000	9
3 x 2,5	RE	7,41	25	36	12,9	72	186	1000	9
3 x 4	RE	4,61	34	46	14,8	115	256	1000	10
3 x 6	RE	3,08	43	58	15,9	173	354	1000	10
3 x 10	RE	1,83	59	78	17,6	288	520	1000	11
3 x 10	RM	1,83	59	78	18,7	288	568	1000	12
3 x 16	RM	1,15	78	101	21,0	461	768	1000	12
3 x 25	RM	0,727	105	132	25,1	720	1196	500	12
3 x 35	RM	0,524	129	159	27,5	1008	1525	500	12
3 x 50/25	SM/RM	0,387/0,727	157	188	30,1	1680	1998	500	12
3 x 70/35	SM/RM	0,268/0,524	199	232	33,6	2352	2663	500	14
3 x 70/50	SM/RM	0,268/0,387	199	242	33,6	2496	2850	500	14
3 x 95/50	SM/RM	0,193/0,387	246	280	38,7	3216	3875	500	15
3 x 120/70	SM/RM	0,153/0,268	285	318	41,9	4128	4792	500	15
3 x 150/70	SM/RM	0,124/0,268	326	359	46,2	4992	5480	500	16
3 x 185/95	SM/RM	0,0991/0,193	374	406	50,9	6240	7005	500	18
3 x 240/120	SM/RM	0,0754/0,153	445	473	56,1	8064	9015	500	20
3 x 16/10	RM/RM	1,15/1,83	77	88	21,3	556	720	1000	12
3 x 25/10	RM/RM	0,727/1,83	98	120	25,5	816	1035	500	12
3 x 25/16	RM/RM	0,727/1,15	105	132	25,5	873	1106	500	12
3 x 35/16	RM/RM	0,524/1,15	129	159	28,3	1161	1385	500	12
3 x 35/25	RM/RM	0,524/0,727	134	162	28,3	1248	1463	500	13
3 x 50/35	SM/SM	0,387/0,524	157	188	29,5	1776	2040	500	12
3 x 70/35	SM/SM	0,268/0,524	199	232	33,3	2352	2630	500	13
3 x 95/50	SM/SM	0,193/0,387	246	280	37,6	3216	3590	500	14
3 x 120/70	SM/SM	0,153/0,268	285	318	40,3	4128	4586	500	15
3 x 150/70	SM/SM	0,124/0,268	326	359	44,7	4992	5430	500	15
3 x 185/95	SM/SM	0,099/0,193	374	406	50,2	6240	6920	500	18
3 x 240/120	SM/SM	0,0754/0,153	445	473	55,5	8064	8910	500	20
4 x 1,5	RE	12,10	19	27	13,0	58	165	1000	9
4 x 2,5	RE	7,41	25	36	13,9	96	225	1000	10
4 x 4	RE	4,61	34	46	15,8	154	326	1000	10
4 x 6	RE	3,08	43	58	16,9	230	436	1000	12
4 x 10	RE	1,83	59	78	19,1	384	620	1000	12
4 x 10	RM	1,83	59	78	19,5	384	698	1000	12
4 x 16	RM	1,15	78	107	22,0	614	980	500	10
4 x 25	RM	0,727	105	132	27,8	960	1506	500	12
4 x 35	RM	0,524	129	159	30,5	1344	1992	500	14
4 x 35	SM	0,524	129	159	26,4	1344	1600	500	12
4 x 50	SM	0,387	157	188	29,9	1920	2080	500	12
4 x 70	SM	0,268	199	232	33,2	2688	2890	500	14

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
4 x 95	SM	0,193	246	280	38,6	3648	4210	500	16
4 x 120	SM	0,153	285	318	41,8	4608	5236	500	16
4 x 150	SM	0,124	326	359	46,7	5760	6315	500	16
4 x 185	SM	0,099	374	406	51,3	7104	7836	500	20
4 x 240	SM	0,075	445	473	58,3	9216	10450	500	22
5 x 1,5	RE	12,10	19	27	13,3	72	192	1000	10
5 x 2,5	RE	7,41	25	36	14,3	120	264	1000	10
5 x 4	RE	4,61	34	46	16,7	192	369	500	9
5 x 6	RE	3,08	43	58	18,1	288	518	500	9
5 x 10	RE	1,83	59	78	20,6	480	780	500	10
5 x 10	RM	1,83	59	78	22,4	480	813	500	10
5 x 16	RM	1,15	78	101	25,7	768	1198	500	12
5 x 25	RM	0,727	105	132	30,3	1200	1850	500	14
5 x 35	RM	0,524	129	159	34,0	1680	2430	500	14
5 x 50	RM	0,387	157	188	38,6	2400	3385	500	16
5 x 70	RM	0,268	199	232	44,1	3360	4653	500	16
5 x 95	RM	0,193	246	280	50,6	4560	6312	500	20

N2XY

Power cables 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Cu – class 1 and 2
- ② **Insulation:** XLPE
- ③ **Core:** EPDM or PP tape
- ④ **Jacket:** PVC

SPECIFICATION

Type	Standard
N2XY	HD 603 S1: Part 5G, DIN VDE 0276 T 603
XP 00	JUS N.C5.230
XLPE/PVC	IEC 60502

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +90 °C
	Maximum operating temperature	+90 °C
	Short circuit temperature	+250 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

A power cable suitable for laying in air, soil, water, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids - where mechanical damages are not expected, and cables are not exposed to excessive pulling forces.

TECHNICAL DATA

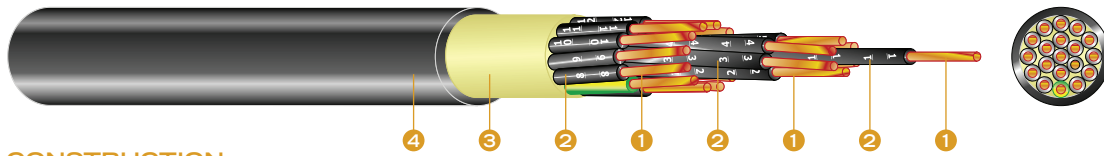
No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 1,5	RE	12,1	33	48	6,1	14	48	1000	6
1 x 2,5	RE	7,41	43	63	6,8	24	61	1000	6
1 x 4	RE	4,61	57	82	7,6	38	82	1000	7
1 x 6	RE	3,08	72	102	8,2	58	102	1000	7
1 x 10	RE	1,830	99	136	8,8	96	145	1000	7
1 x 10	RM	1,83	99	136	9,3	96	176	1000	7
1 x 16	RM	1,15	131	176	10,4	154	226	1000	8
1 x 25	RM	0,727	177	229	12,1	240	333	1000	9
1 x 35	RM	0,524	217	275	13,2	336	430	1000	10
1 x 50	RM	0,387	265	326	14,8	480	570	1000	10

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 70	RM	0,268	336	400	16,9	672	789	1000	12
1 x 95	RM	0,193	415	480	18,9	912	1058	1000	12
1 x 120	RM	0,153	485	548	20,6	1152	1302	1000	14
1 x 150	RM	0,124	557	616	22,7	1440	1601	1000	14
1 x 185	RM	0,0991	646	698	25,1	1776	1995	1000	14
1 x 240	RM	0,0754	774	815	27,8	2304	2571	1000	16
1 x 300	RM	0,0601	901	927	30,8	2880	3201	500	14
1 x 400	RM	0,0470	1060	1064	33,1	3840	4120	500	18
1 x 500	RM	0,0366	1252	1227	36,6	4800	5032	500	20
1 x 630	RM	0,0283	1486	1421	40,5	6050	6380	500	22
2 x 1,5	RE	12,10	22	31	9,5	29	125	1000	8
2 x 2,5	RE	7,41	30	40	10,2	48	156	1000	9
2 x 4	RE	4,61	40	52	11,4	77	215	1000	9
2 x 6	RE	3,08	51	64	12,4	115	280	1000	10
2 x 10	RE	1,83	62	82	14,2	192	412	1000	12
2 x 10	RM	1,83	74	86	15,4	192	435	1000	12
2 x 16	RM	1,15	98	112	17,4	307	602	1000	12
2 x 25	RM	0,727	133	145	21,4	480	925	1000	14
2 x 35	RM	0,524	162	174	23,8	672	1195	1000	14
3 x 1,5	RE	12,10	24	30	9,9	43	145	1000	9
3 x 2,5	RE	7,41	32	40	10,8	72	185	1000	9
3 x 4	RE	4,61	42	52	12,0	115	251	1000	9
3 x 6	RE	3,08	53	64	13,1	173	330	1000	10
3 x 10	RE	1,83	73	86	15,4	288	503	1000	10
3 x 10	RM	1,83	73	86	16,3	288	532	1000	12
3 x 16	RM	1,15	96	111	18,5	461	746	1000	12
3 x 25	RM	0,727	130	143	22,7	720	1154	500	12
3 x 35	RM	0,524	130	173	25,3	1008	1508	500	12
3 x 16/10	RM/RM	1,15/1,83	98	112	19,6	556	689	500	12
3 x 25/16	RM/RM	0,727/1,15	133	145	23,9	874	1045	500	12
3 x 35/16	RM/RM	0,524/1,15	133	174	26,6	1161	1333	500	12
3 x 50/25	SM/RM	0,387/0,727	197	206	28,1	1680	1892	500	13
3 x 70/35	SM/RM	0,268/0,524	250	254	32,2	2352	2648	500	14
3 x 95/50	SM/RM	0,193/0,387	308	305	35,8	3216	3591	500	14
3 x 120/70	SM/RM	0,153/0,268	359	348	40,0	4128	4582	500	15
3 x 150/70	SM/RM	0,125/0,268	412	392	43,9	4992	5488	500	15
3 x 185/95	SM/RM	0,0991/0,193	475	444	48,8	6240	6964	500	18
3 x 240/120	SM/RM	0,0754/0,153	564	517	54,2	8064	8864	500	20
3 x 50/35	SM/SM	0,387/0,524	53	64	26,5	1776	1970	500	12
3 x 70/35	SM/SM	0,268/0,524	73	86	30,2	2352	2680	500	13
3 x 95/50	SM/SM	0,193/0,387	96	111	34,2	3216	3580	500	14
3 x 120/70	SM/SM	0,153/0,387	130	143	36,5	4128	4460	500	14
3 x 150/70	SM/SM	0,125/0,387	160	173	40,8	4992	5152	500	16
3 x 185/95	SM/SM	0,0991/0,193	195	205	46,4	6240	6523	500	18
3 x 240/120	SM/SM	0,0754/0,153	247	252	51,3	8064	8680	500	18
4 x 1,5	RE	12,10	24	31	11,2	58	180	1000	9
4 x 2,5	RE	7,41	32	40	12,2	96	234	1000	9
4 x 4	RE	4,61	42	52	13,8	154	327	1000	10
4 x 6	RE	3,08	53	64	15,0	230	425	1000	10
4 x 10	RE	1,83	74	86	17,2	384	624	1000	10
4 x 10	RM	1,83	74	86	18,3	384	671	1000	12
4 x 16	RM	1,15	98	112	21,0	614	955	1000	14
4 x 25	RM	0,727	133	145	25,7	960	1471	500	12
4 x 35	RM	0,524	162	174	28,4	1344	1906	500	14
4 x 35	SM	0,524	162	174	25,2	1344	1580	500	12
4 x 50	SM	0,387	197	206	28,1	1920	2086	500	14

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
4 x 70	SM	0,268	250	254	32,1	2688	2956	500	14
4 x 95	SM	0,193	308	305	36,0	3648	4012	500	14
4 x 120	SM	0,153	359	348	40,2	4608	4998	500	16
4 x 150	SM	0,124	412	392	44,3	5760	6189	500	16
4 x 185	SM	0,099	475	444	49,0	7104	7762	500	18
4 x 240	SM	0,075	564	517	54,8	9216	10096	500	20
5 x 1,5	RE	12,10	24	31	13,3	72	285	1000	10
5 x 2,5	RE	7,41	32	40	14,3	120	330	1000	10
5 x 4	RE	4,61	42	52	16,7	192	469	500	9
5 x 6	RE	3,08	53	64	18,1	288	599	500	9
5 x 10	RE	1,83	74	86	21,3	480	913	500	9
5 x 10	RM	1,83	74	86	22,4	480	961	500	10
5 x 16	RM	1,15	98	110	25,7	768	1354	500	12
5 x 25	RM	0,727	133	143	30,3	1200	1996	500	14
5 x 35	RM	0,524	162	174	34,0	1680	2631	500	14
5 x 50	RM	0,387	197	206	36,5	2400	3100	500	14
5 x 70	RM	0,268	250	254	39,9	3360	4206	500	16
5 x 95	RM	0,193	308	305	44,5	4560	5620	500	18

N2XY signal cables

Signal cables













CONSTRUCTION

- ① **Conductor:** Cu – class 1
- ② **Insulation:** XLPE
- ③ **Core:** EPDM
- ④ **Jacket:** PVC

SPECIFICATION

Type	Standard
N2XY	HD 603 S1: Part 5G, DIN VDE 0276 T 603
XP 00	JUS N.C5.230
XLPE/PVC	IEC 60502

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +90 °C
	Maximum operating temperature	+90 °C
	Short circuit temperature	+250 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

A power cable suitable for laying in air, soil, water, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids - where mechanical damages are not expected, and cables are not exposed to excessive pulling forces.

TECHNICAL DATA

No. of conductors and cross sectional area	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²	Ω/km	A	A	mm	kg/km	kg/km	m	No
7 x 1,5	12,1	16	18	12,6	101	302	1000	10
7 x 2,5	7,41	21	24	13,8	168	395	1000	10
10 x 1,5	12,1	13	15	15,3	144	425	1000	12
10 x 2,5	7,41	18	20	16,7	240	560	1000	12
12 x 1,5	12,1	13	14	15,7	173	464	1000	12
12 x 2,5	7,41	17	19	17,2	288	620	1000	12
14 x 1,5	12,1	12	14	16,4	202	573	1000	12
14 x 2,5	7,41	16	18	18,0	336	690	1000	12
19 x 1,5	12,1	11	12	18,0	274	641	1000	12
19 x 2,5	7,41	14	16	19,8	456	918	1000	14
21 x 1,5	12,1	10	11	18,8	302	772	1000	14
21 x 2,5	7,41	14	15	24,2	504	1060	1000	14

FROR

Power cables 450/750 V



CONSTRUCTION

- ① **Conductor:** Cu – class 5
- ② **Insulation:** PVC type T12
- ③ **Jacket:** PVC type TM2

SPECIFICATION

Type	Standard	
FROR	CEI 20-20; CEI 20-22; CEI 20-37; CEI 20-52	
	Nominal voltage	450/750 V
	Test voltage	2500 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +70 °C
	Maximum operating temperature	+70 °C
	Short circuit temperature	+160 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	4 x Ø cable
	Coat colour	Gray RAL 7035

APPLICATION

A power cable for permanent installation and for portable devices, mostly for temporary installation at trade shows and public events.

TECHNICAL DATA

No. of conductors and cross sectional area	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²	Ω/km	A	A	mm	kg/km	kg/km	m	No
2 x 1,5	13,3	17	19,5	8,1	29	98	100	coil
2 x 2,5	7,98	22,5	26	9,9	48	150	100	coil
2 x 4	4,95	30	35	10,5	77	190	100	coil
2 x 6	3,3	40	46	12,5	115	260	100	coil
2 x 10	1,91	52	63	16,9	192	470	500	9
2 x 16	1,21	69	85	19,5	307	630	500	9
2 x 25	0,78	90	112	23,1	480	940	500	10
3 x 1,5	13,3	17	19,5	8,5	43	116	100	coil
3 x 2,5	7,98	22	26	10,4	72	179	100	coil
3 x 4	4,95	30	35	11,7	115	240	100	coil
3 x 6	3,3	40	46	13,4	173	330	100	coil
3 x 10	1,91	46	57	17,9	288	580	500	9
3 x 16	1,21	62	76	20,7	460	820	500	10
3 x 25	0,78	80	96	24,5	720	1175	500	10

No. of conductors and cross sectional area	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²	Ω/km	A	A	mm	kg/km	kg/km	m	No
4 x 1,5	13,30	17	19,5	9,5	58	147	100	coil
4 x 2,5	7,98	22,5	26	11,4	96	221	100	coil
4 x 4	4,95	30	35	12,7	154	296	100	coil
4 x 6	3,30	40	46	14,4	230	404	100	coil
4 x 10	1,91	52	63	18,4	384	676	500	9
4 x 16	1,21	69	85	21,3	614	978	500	10
4 x 25	10,78	90	112	25,5	960	1445	500	11
5 x 1,5	13,30	17	19,5	10,3	72	180	100	coil
5 x 2,5	7,98	22,5	26	12,2	120	258	100	coil
5 x 4	4,95	30	35	14,5	192	379	100	coil
5 x 6	3,30	40	46	16,0	288	501	100	coil
5 x 10	1,91	52	63	20,5	480	841	500	10
5 x 16	1,21	69	85	23,4	768	1190	500	10
5 x 25	0,78	90	112	27,0	1200	1681	500	12

FG7R

Power cables 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Cu – class 5
- ② **Insulation:** HEPR
- ③ **Jacket:** PVC

SPECIFICATION

Type	Standard
FG7R	CEI-UNEL 35375, CEI 20-13, CEI 20-22 II, CEI 20-37, CEI 20-52

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +90 °C
	Maximum operating temperature	+90 °C
	Short circuit temperature	+250 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 CEI 50267-2-1
	Minimum bending radius	4 x Ø cable
	Coat colour	Gray RAL 7035

APPLICATION

FG7R power cable is intended for use in industrial and building applications, inside, buried or outside, where excessive moisture can be expected.

TECHNICAL DATA

No. of conductors and cross sectional area	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²	Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 1,5	13,30	25	30	6,0	14	49	100	coil
1 x 2,5	7,98	33	38	6,4	24	60	100	coil
1 x 4,0	4,95	43	50	6,7	38	77	100	coil
1 x 6,0	3,30	55	63	6,9	58	108	100	coil
1 x 10	1,91	77	84	9,5	96	159	1000	7
1 x 16	1,21	100	106	10,5	154	218	1000	8
1 x 25	0,78	135	136	12,4	240	316	1000	9
1 x 35	0,55	170	165	13,8	336	431	1000	10
1 x 50	0,39	209	192	15,3	480	562	1000	10
1 x 70	0,27	268	233	17,8	672	779	1000	11
1 x 95	0,21	328	278	19,7	912	1011	1000	11
1 x 120	0,16	385	317	22,8	1152	1296	1000	13
1 x 150	0,13	446	353	24,7	1440	1607	1000	13

No. of conductors and cross sectional area	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²	Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 185	0,10	511	400	26,8	1776	1959	1000	15
1 x 240	0,08	610	459	30,8	2304	2586	1000	15
1 x 300	0,06	703	518	33,4	2880	3157	1000	16

FG70R

Power cables 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Cu – class 5
- ② **Insulation:** HEPR
- ③ **Core:** EPDM
- ④ **Jacket:** PVC

SPECIFICATION

Type	Standard
FG70R	CEI-UNEL 35375, CEI 20-13, CEI 20-22 II, CEI 20-37, CEI 20-52

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +90 °C
	Maximum operating temperature	+90 °C
	Short circuit temperature	+250 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 CEI 50267-2-1
	Minimum bending radius	4 x Ø cable
	Coat colour	Gray RAL 7035

APPLICATION

FG70R power cable is intended for use in industrial and building applications, inside, buried or outside, where excessive moisture can be expected.

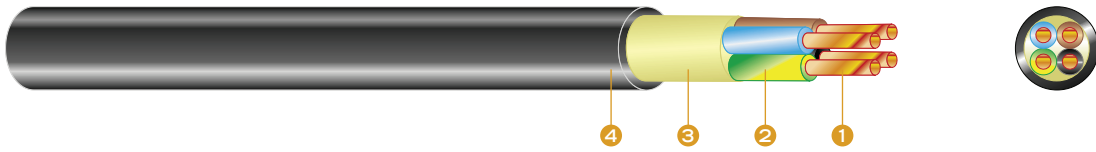
TECHNICAL DATA

No. of conductors and cross sectional area	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²	Ω/km	A	A	mm	kg/km	kg/km	m	No
2 x 1,5	13,30	26	35	10,7	29	157	1000	8
2 x 2,5	7,98	30	46	11,6	48	193	1000	9
2 x 4	4,95	41	57	13,0	76	258	1000	9
2 x 6	3,30	52	74	15,5	115	367	1000	10
2 x 10	1,91	69	96	18,2	192	538	1000	10
2 x 16	1,21	115	122	20,4	307	715	1000	12
2 x 25	0,78	150	161	24,2	480	1046	1000	12
2 x 35	0,554	186	193	27,1	672	1380	1000	14
2 x 50	0,386	225	224	29,9	960	1769	1000	14
3 x 1,5	13,30	23	29	11,2	43	174	1000	9
3 x 2,5	7,98	32	36	12,2	72	220	1000	9
3 x 4	4,95	43	48	13,6	115	299	1000	10

No. of conductors and cross sectional area	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²	Ω/km	A	A	mm	kg/km	kg/km	m	No
3 x 6	3,30	55	60	16,2	173	424	1000	10
3 x 10	1,91	75	78	19,3	288	637	1000	11
3 x 16	1,21	100	105	21,5	461	863	1000	13
3 x 25	0,78	128	135	25,5	720	1263	1000	14
3 x 35	0,55	159	160	28,6	1008	1674	1000	15
3 x 50	0,39	193	186	31,8	1440	2188	1000	16
3 x 70	0,27	245	230	37,5	2016	3035	1000	20
3 x 95	0,21	300	275	41,7	2736	3876	1000	22
3 x 120	0,16	345	311	48,5	3456	5045	500	16
3 x 150	0,13	400	350	52,4	4320	6129	500	20
3 x 35/25	0,55	159	160	30,7	1248	2086	1000	16
3 x 50/25	0,38	193	186	35,0	1680	2705	1000	20
3 x 70/35	0,27	245	230	40,8	2352	3680	500	16
3 x 95/50	0,21	300	275	45,9	3216	4748	500	16
3 x 120/70	0,16	345	311	51,5	4128	6045	500	20
3 x 150/95	0,13	400	350	57,4	5232	7522	500	22
4 x 1,5	13,30	24	29	12,0	58	202	1000	9
4 x 2,5	7,98	32	37	13,1	96	258	1000	9
4 x 4	4,95	42	48	14,6	154	352	1000	10
4 x 6	3,30	54	60	17,7	230	501	1000	10
4 x 10	1,91	75	79	21,0	384	760	1000	12
4 x 16	1,21	100	105	23,5	614	1039	1000	13
4 x 25	0,78	128	135	28,1	960	1533	1000	15
4 x 35	0,55	159	160	31,4	1344	2065	1000	16
4 x 50	0,39	193	186	35,0	1920	2680	1000	20
4 x 70	0,27	245	230	41,2	2688	3745	500	16
4 x 95	0,21	300	275	45,8	3648	4822	500	16
4 x 120	0,16	345	311	53,4	4608	6285	500	20
4 x 150	0,13	400	350	57,7	5760	7708	500	22
5 x 1,5	13,30	24	29	12,9	72	232	1000	9
5 x 2,5	7,98	32	37	14,0	120	301	1000	10
5 x 4,0	4,95	42	48	15,8	192	416	1000	10
5 x 6,0	3,30	54	60	19,2	288	596	1000	12
5 x 10	1,91	75	79	22,6	480	896	1000	13
5 x 16	1,21	100	105	25,5	768	1240	1000	14
5 x 25	0,78	128	134	30,5	1200	1795	1000	16
5 x 35	0,55	165	169	34,3	1680	2463	1000	20
5 x 50	0,39	205	207	39,3	2400	3302	1000	22

N2XH

Halogen-free flame cables for power supply 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Cu – class 1 and 2
- ② **Insulation:** Cross-linked PE, XLPE, type 2X11
- ③ **Core:** HFFR halogen-free polymer compound
- ④ **Jacket:** HFFR polymer compound type HM4

SPECIFICATION

Type	Standard	
N2XH	HD 604 S1 P5-G	
	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +90 °C
	Maximum operating temperature	+90 °C
	Short circuit temperature	+250 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50266-2-4 IEC 60332-3
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

Type N2XH building wire can be installed under or over concrete, in wet or dry locations, cable channels, open air, but it is not intended for direct burial or under the water. It is recommended for public buildings (hotels, hospitals, department stores, subways, theatres, cinemas etc.), and in all other public buildings where good flame properties in case of fire are required to prevent developing poisonous gases and corrosive HCL gases.

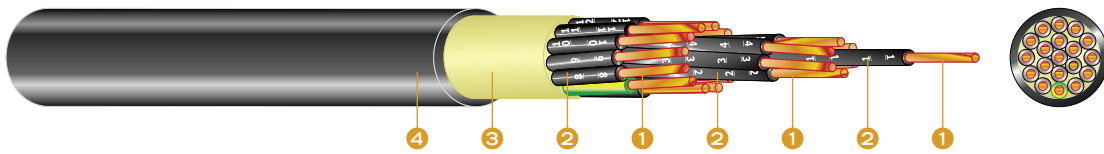
TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance at 20 °C	Current carrying capacities in air	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	mm	kg/km	kg/km	m	No
1 x 4	RE	4,61	40	6,4	38	73	1000	8
1 x 6	RE	3,08	52	6,9	58	94	1000	8
1 x 10	RE	1,83	71	7,8	96	135	1000	8
1 x 10	RM	1,83	71	8,2	96	147	1000	8
1 x 16	RM	1,15	96	9,3	154	207	1000	9
1 x 25	RM	0,727	119	11,1	240	312	1000	9
1 x 35	RM	0,524	147	12,2	336	407	1000	9
1 x 50	RM	0,387	179	13,8	480	542	1000	10
1 x 70	RM	0,268	229	15,8	672	759	1000	12
1 x 95	RM	0,193	278	17,8	912	1024	1000	14
1 x 120	RM	0,153	322	19,7	1152	1274	1000	14
1 x 150	RM	0,124	371	21,8	1440	1572	1000	14

No. of conductors and cross sectional area	Conductor shape	Maximal resistance at 20 °C	Current carrying capacities in air	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	mm	kg/km	kg/km	m	No
1 x 185	RM	0,099	424	23,9	1776	1970	1000	14
1 x 240	RM	0,0754	500	27,2	2304	2547	1000	16
2 x 1,5	RE	12,1	29	8,9	29	117	1000	7
2 x 2,5	RE	7,41	38	10,2	48	150	1000	8
2 x 4	RE	4,61	51	10,7	77	197	1000	9
2 x 6	RE	3,08	64	12,3	115	275	1000	9
2 x 10	RE	1,83	86	13,9	192	390	1000	10
2 x 10	RM	1,82	88	15,0	192	428	1000	10
2 x 16	RM	1,15	110	16,9	307	589	1000	12
2 x 25	RM	0,727	138	20,8	480	912	1000	14
2 x 35	RM	0,524	171	22,8	672	1162	1000	14
3 x 1,5	RE	12,1	24	9,2	43	135	1000	9
3 x 2,5	RE	7,41	32	10,1	72	177	1000	9
3 x 4	RE	4,61	42	11,3	115	243	1000	10
3 x 6	RE	3,08	53	12,6	173	324	1000	10
3 x 10	RE	1,83	74	14,6	288	480	1000	10
3 x 10	RM	1,83	74	15,7	288	529	1000	12
3 x 16	RM	1,15	98	17,8	461	748	1000	12
3 x 25	RM	0,727	133	22,1	720	1150	500	12
3 x 35	RM	0,524	162	24,4	1008	1498	500	12
4 x 1,5	RE	12,1	24	9,83	58	157	1000	9
4 x 2,5	RE	7,41	32	10,8	96	209	1000	10
4 x 4	RE	4,61	42	12,0	154	290	1000	10
4 x 6	RE	3,08	53	13,2	230	401	1000	12
4 x 10	RE	1,83	74	15,8	384	590	1000	12
4 x 10	RM	1,83	74	16,4	384	630	1000	12
4 x 16	RM	1,15	98	19,5	614	922	500	10
4 x 25	RM	0,727	133	23,2	960	1425	500	12
4 x 35	RM	0,524	162	26,7	1344	1808	500	12
5 x 1,5	RE	12,1	24	10,9	72	191	1000	10
5 x 2,5	RE	7,41	32	12,1	120	256	1000	10
5 x 4	RE	4,61	42	13,5	192	357	500	9
5 x 6	RE	3,08	53	14,9	288	481	500	9
5 x 10	RE	1,83	74	17,2	480	710	500	9
5 x 10	RM	1,83	74	18,9	480	780	500	10
5 x 16	RM	1,15	98	21,8	768	1135	500	12
5 x 25	RM	0,727	133	26,4	1200	1690	500	13
5 x 35	RM	0,524	162	29,4	1680	2100	500	13
4 x 35	SM	0,524	162	24,2	1344	1620	500	12
4 x 50	SM	0,387	197	27,2	1920	1995	500	12
4 x 70	SM	0,268	250	31,2	2688	2935	500	14
4 x 95	SM	0,193	308	35,0	3648	3986	500	14
4 x 120	SM	0,153	359	39,0	4608	4935	500	16
4 x 150	SM	0,124	412	42,9	5760	6050	500	16
4 x 185	SM	0,099	475	47,5	7104	7568	500	18
4 x 240	SM	0,075	564	52,6	9216	9475	500	20
3 x 50/35	SM/SM	0,387/0,524	209	26,6	1776	1990	500	12
3 x 70/35	SM/SM	0,268/0,524	269	30,1	2352	2760	500	14
3 x 95/50	SM/SM	0,193/0,387	328	33,9	3216	3670	500	14
3 x 120/70	SM/SM	0,153/0,268	382	37,1	4128	4595	500	16
3 x 150/70	SM/SM	0,124/0,268	441	41,5	4992	5505	500	16
3 x 185/95	SM/SM	0,099/0,193	506	45,6	6240	6880	500	18
3 x 240/120	SM/SM	0,075/0,153	599	49,2	8064	8760	500	20

N2XH

Halogen-free flame cables for power supply 0,6/1 kV / signal cables



CONSTRUCTION

- 1 **Conductor:** Cu – class 1
- 2 **Insulation:** Cross-linked PE, XLPE, type 2X11
- 3 **Core:** HFFR halogen-free polymer compound
- 4 **Jacket:** HFFR polymer compound type HM4

SPECIFICATION

Type	Standard
N2XH	HD 604 S1 P5-G

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +90 °C
	Maximum operating temperature	+90 °C
	Short circuit temperature	+250 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50266-2-4 IEC 60332-3
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

Type N2XH building wire can be installed under or over concrete, in wet or dry locations, cable channels, open air, but it is not intended for direct burial or under the water. It is recommended for public buildings (hotels, hospitals, department stores, subways, theatres, cinemas etc.), and in all other public buildings where good flame properties in case of fire are required to prevent developing poisonous gases and corrosive HCL gases.

TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance at 20 °C	Current carrying capacities in air	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	mm	kg/km	kg/km	m	No
7 x 1,5	RE	12,1	14	11,9	101	236	1000	10
7 x 2,5	RE	7,41	20	13,1	168	320	1000	10
7 x 4,0	RE	4,61	28	14,7	269	438	1000	12
10 x 1,5	RE	12,1	10	14,6	144	340	1000	12
10 x 2,5	RE	7,41	14	16,2	240	460	1000	12
10 x 4,0	RE	4,61	18	18,4	384	650	1000	14
12 x 1,5	RE	12,1	12	15,2	173	380	1000	12
12 x 2,5	RE	7,41	17	16,6	288	505	1000	12
12 x 4,0	RE	4,61	17,5	18,9	460	746	1000	14
14 x 1,5	RE	12,1	9,5	15,8	202	420	1000	12
14 x 2,5	RE	7,41	13	17,8	336	586	1000	12
14 x 4,0	RE	4,61	17	19,8	538	830	1000	14
16 x 1,5	RE	12,1	9	16,7	230	468	1000	12
16 x 2,5	RE	7,41	13	18,6	384	666	1000	14
19 x 1,5	RE	12,1	11	17,8	274	546	1000	12
19 x 2,5	RE	7,41	16	19,6	456	756	1000	14
21 x 1,5	RE	12,1	8	18,4	302	612	1000	14
21 x 2,5	RE	7,41	10,5	20,5	504	910	1000	14

EYY

Power cables 0,6/1 kV













CONSTRUCTION

- ① **Conductor:** Cu – class 1 and 2
- ② **Insulation:** PVC
- ③ **Core:** EPDM
- ④ **Jacket:** PVC

SPECIFICATION

Type	Standard
EYY	HD 603 S1.Part 3A (DIN VDE 0276 Teil 603)
PP 00	JUS N.C5.220
PVC/PVC	IEC 60502
PVC/PVC	BS 6346

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +70 °C
	Maximum operating temperature	+70 °C
	Short circuit temperature	+160 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

A power cable suitable for laying in air, soil, water, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids - where mechanical damages are not expected, and cables are not exposed to excessive pulling forces.

TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 1,5	RE	12,1	27	41	6,4	14	48	1000	6
1 x 2,5	RE	7,41	35	55	6,8	24	60	1000	6
1 x 4	RE	4,41	47	71	7,5	38	85	1000	7
1 x 6	RE	3,08	59	90	8,0	58	111	1000	7
1 x 10	RM	1,83	64	83	9,3	96	164	1000	7
1 x 16	RM	1,15	84	107	10,3	154	228	1000	8
1 x 25	RM	0,727	114	138	12,1	240	336	1000	9
1 x 35	RM	0,524	139	164	13,2	336	445	1000	10
1 x 50	RM	0,387	169	195	15,0	480	598	1000	10
1 x 70	RM	0,268	213	238	16,8	672	796	1000	12

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 95	RM	0,193	264	286	19,1	912	1076	1000	12
1 x 120	RM	0,153	307	325	20,7	1152	1300	1000	14
1 x 150	RM	0,124	352	365	22,6	1440	1596	1000	14
1 x 185	RM	0,0991	406	413	25,3	1776	1990	1000	14
1 x 240	RM	0,0754	483	479	28,3	2304	2630	1000	16
1 x 300	RM	0,0601	557	541	31,2	2880	3240	500	14
1 x 400	RM	0,0470	646	614	34,3	3840	4130	500	18
1 x 500	RM	0,0366	747	693	38,0	4800	5080	500	20
1 x 630	RM	0,0283	1187	1468	41,8	6050	6320	500	22
2 x 1,5	RE	12,1	21	30	11,4	29	184	1000	8
2 x 2,5	RE	7,41	28	39	12,2	48	218	1000	9
2 x 4	RE	4,61	37	50	13,7	77	300	1000	9
2 x 6	RE	3,08	47	62	14,7	115	348	1000	10
2 x 10	RE	1,83	64	83	16,3	192	476	1000	10
2 x 10	RM	1,83	64	83	17,4	192	543	1000	12
2 x 16	RM	1,15	89	116	19,5	307	726	1000	12
2 x 25	RM	0,727	118	150	22,9	480	1004	1000	14
2 x 35	RM	0,524	149	183	25,6	672	1260	1000	14
3 x 1,5	RE	12,1	19	27	11,8	43	201	1000	9
3 x 2,5	RE	7,41	25	36	12,7	72	243	1000	9
3 x 4	RE	4,61	34	47	14,4	115	342	1000	10
3 x 6	RE	3,08	43	59	15,5	173	425	1000	10
3 x 10	RE	1,83	59	79	17,2	288	594	1000	11
3 x 10	RM	1,83	59	79	18,3	288	624	1000	12
3 x 16	RM	1,15	84	107	20,6	461	835	1000	12
3 x 25	RM	0,727	105	132	24,7	720	1180	500	12
3 x 35	RM	0,524	129	159	27,1	1008	1460	500	12
3 x 16/10	RM/RM	1,15/1,83	79	102	20,9	556	704	1000	12
3 x 25/10	RM/RM	0,727/1,83	100	128	25,1	816	1005	500	12
3 x 25/16	RM/RM	0,727/1,15	100	128	25,1	873	1045	500	12
3 x 35/16	RM/RM	0,524/1,15	122	155	27,8	1161	1306	500	12
3 x 35/25	RM/RM	0,524/0,727	122	155	27,8	1248	1426	500	13
3 x 50/25	SM/RM	0,387/0,727	157	188	29,6	1680	1926	500	12
3 x 70/35	SM/RM	0,268/0,524	199	232	33,2	2352	2540	500	14
3 x 70/50	SM/RM	0,268/0,387	199	232	33,2	2496	2760	500	14
3 x 95/50	SM/RM	0,193/0,387	246	280	38,3	3216	3453	500	15
3 x 120/70	SM/RM	0,153/0,268	285	318	41,5	4128	4490	500	15
3 x 150/70	SM/RM	0,124/0,268	326	359	45,8	4992	5380	500	16
3 x 185/95	SM/RM	0,0991/0,193	374	406	50,5	6240	6970	500	18
3 x 240/120	SM/RM	0,0754/0,153	445	473	55,7	8064	8890	500	20
3 x 50/35	SM/SM	0,387/0,524	180	210	29,4	1776	2000	500	12
3 x 70/35	SM/SM	0,268/0,524	188	225	32,9	2352	2520	500	13
3 x 95/50	SM/SM	0,193/0,387	232	271	37,2	3216	3540	500	14
3 x 120/70	SM/SM	0,153/0,268	269	309	39,8	4128	4480	500	15
3 x 150/70	SM/SM	0,124/0,268	308	348	44,2	4992	5260	500	15
3 x 185/95	SM/SM	0,0991/0,193	354	394	49,8	6240	6870	500	18
3 x 240/120	SM/SM	0,0754/0,153	419	458	55,1	8064	8879	500	20
4 x 1,5	RE	12,1	19	27	12,6	58	204	1000	10
4 x 2,5	RE	7,41	25	36	13,5	96	274	1000	10
4 x 4,0	RE	4,61	34	47	15,4	154	378	1000	11
4 x 6,0	RE	3,08	43	59	16,5	230	482	1000	11
4 x 10	RE	1,83	59	79	18,8	384	689	1000	12
4 x 16	RM	1,15	79	102	21,6	614	986	1000	13
4 x 25	RM	0,727	106	133	27,4	960	1420	500	12
4 x 35	RM	0,524	129	159	30,1	1344	2005	500	14
4 x 35	SM	0,524	129	159	25,4	1344	1653	500	12

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
4 x 50	SM	0,387	157	188	29,5	1920	2143	500	12
4 x 70	SM	0,268	199	232	32,8	2688	2975	500	14
4 x 95	SM	0,193	246	280	38,2	3648	4065	500	16
4 x 120	SM	0,153	285	318	41,4	4608	5076	500	16
4 x 150	SM	0,124	326	359	46,2	5760	6340	500	16
4 x 185	SM	0,099	374	406	51,0	7104	7980	500	20
4 x 240	SM	0,075	445	473	57,8	9216	10294	500	22
5 x 1,5	RE	12,1	19	27	13,0	72	239	1000	10
5 x 2,5	RE	7,41	25	36	13,9	120	306	1000	10
5 x 4	RE	4,61	34	47	16,2	192	418	500	9
5 x 6	RE	3,08	43	59	17,7	288	564	500	9
5 x 10	RE	1,83	59	79	20,2	480	854	500	10
5 x 10	RM	1,83	59	79	22,2	480	921	500	10
5 x 16	RM	1,15	79	102	25,5	768	1205	500	12
5 x 25	RM	0,727	106	133	30,1	1200	1750	500	14
5 x 35	RM	0,524	129	159	34,4	1680	2482	500	14
5 x 50	RM	0,387	157	188	38,4	2400	3286	500	16
5 x 70	RM	0,268	199	232	43,8	3360	4562	500	16
5 x 95	RM	0,193	246	280	50,3	4650	6243	500	20

EY2Y

Power cables 0,6/1 kV



CONSTRUCTION

- ① **Conductor:** Cu – class 1 and 2
- ② **Insulation:** PVC
- ③ **Core:** EPDM
- ④ **Jacket:** HDPE

SPECIFICATION

Type	Standard
EY2Y	HD 603 S1.Part 3A (DIN VDE 0276 Teil 603)
PP 00	JUS N.C5.220
PVC/PVC	IEC 60502
PVC/PVC	BS 6346

	Nominal voltage	0,6/1 kV
	Test voltage	4000 V
	Minimum temperature during installation	-5 °C
	Operating temperature	-30 °C – +70 °C
	Maximum operating temperature	+70 °C
	Short circuit temperature	+160 °C/5s
	Colour of insulation	HD 308. S2
	Flame-retardant test	EN 50265-2-1 IEC 60332-1
	Minimum bending radius	12 x Ø cable
	Coat colour	Black

APPLICATION

A power cable suitable for laying in air, soil, water, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids - where mechanical damages are not expected, and cables are not exposed to excessive pulling forces.

TECHNICAL DATA

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 1,5	RE	12,1	27	41	6,6	14	44	1000	6
1 x 2,5	RE	7,41	35	55	7,0	24	58	1000	6
1 x 4	RE	4,61	47	71	7,9	38	74	1000	7
1 x 6	RE	3,08	59	90	8,4	58	102	1000	7
1 x 10	RE	1,83	81	124	9,1	96	162	1000	7
1 x 10	RM	1,830	81	124	9,7	96	158	1000	7
1 x 16	RM	1,150	107	160	10,7	154	218	1000	8
1 x 25	RM	0,727	144	250	12,5	240	338	1000	9
1 x 35	RM	0,524	176	296	13,6	336	442	1000	10

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
1 x 50	RM	0,387	214	365	15,4	480	573	1000	10
1 x 70	RM	0,268	270	438	17,2	672	792	1000	12
1 x 95	RM	0,193	334	501	19,5	912	1023	1000	12
1 x 120	RM	0,153	389	563	21,1	1152	1225	1000	14
1 x 150	RM	0,124	446	639	23,0	1440	1438	1000	14
1 x 185	RM	0,099	516	746	25,7	1776	1967	1000	14
1 x 240	RM	0,075	618	848	28,7	2304	2945	1000	16
1 x 300	RM	0,06	717	975	31,5	2880	3150	500	14
1 x 400	RM	0,047	834	1125	34,5	3840	4035	500	18
1 x 500	RM	0,0366	994	1304	38,2	4800	5006	500	20
1 x 630	RM	0,0283	1180	1468	42,0	6050	6280	500	22
2 x 1,5	RE	12,1	22	34	11,6	29	125	1000	8
2 x 2,5	RE	7,41	30	45	12,4	48	161	1000	9
2 x 4	RE	4,61	40	59	14,1	77	230	1000	9
2 x 6	RE	3,08	51	73	15,1	115	305	1000	10
2 x 10	RE	1,83	63	82	16,7	192	453	1000	11
2 x 10	RM	1,83	63	98	17,8	192	594	1000	12
2 x 16	RM	1,15	85	127	19,9	307	654	1000	12
2 x 25	RM	0,727	112	163	22,3	480	975	1000	14
2 x 35	RM	0,524	148	178	26,0	672	1280	1000	14
3 x 1,5	RE	12,1	19	27	12,0	43	140	1000	9
3 x 2,5	RE	7,41	25	36	12,9	72	186	1000	9
3 x 4	RE	4,61	34	46	14,8	115	256	1000	10
3 x 6	RE	3,08	43	58	15,9	173	354	1000	10
3 x 10	RE	1,83	59	78	17,6	288	520	1000	11
3 x 10	RM	1,83	59	78	18,7	288	568	1000	12
3 x 16	RM	1,15	78	101	21,0	461	768	1000	12
3 x 25	RM	0,727	105	132	25,1	720	1196	500	12
3 x 35	RM	0,524	129	159	27,5	1008	1525	500	12
3 x 16/10	RM/RM	1,15/1,83	77	88	21,3	556	720	1000	12
3 x 25/10	RM/RM	0,727/1,83	98	120	25,5	816	1035	500	12
3 x 25/16	RM/RM	0,727/1,15	105	132	25,5	873	1106	500	12
3 x 35/16	RM/RM	0,524/1,15	129	159	28,3	1161	1385	500	12
3 x 35/25	RM/RM	0,524/0,727	134	162	28,3	1248	1463	500	13
3 x 50/25	SM/RM	0,387/0,727	157	188	30,1	1688	1968	500	12
3 x 70/35	SM/RM	0,268/0,524	199	232	33,6	2352	2563	500	14
3 x 70/50	SM/RM	0,268/0,387	199	242	33,6	2850	2785	500	14
3 x 95/50	SM/RM	0,193/0,387	246	280	38,7	3216	3675	500	15
3 x 120/70	SM/RM	0,153/0,268	285	318	41,9	4128	4592	500	15
3 x 150/70	SM/RM	0,124/0,268	326	359	46,2	4992	5480	500	16
3 x 185/95	SM/RM	0,099/0,193	374	406	50,9	6240	7005	500	18
3 x 240/120	SM/RM	0,0754/0,153	445	473	56,1	8064	9015	500	20
3 x 50/35	SM/SM	0,387/0,524	157	188	29,5	1776	2040	500	12
3 x 70/35	SM/SM	0,268/0,524	199	232	33,3	2352	2630	500	13
3 x 95/50	SM/SM	0,193/0,387	246	280	37,6	3216	3590	500	14
3 x 120/70	SM/SM	0,153/0,268	285	318	40,3	4128	4586	500	15
3 x 150/70	SM/SM	0,124/0,268	326	359	44,7	4992	5430	500	15
3 x 185/95	SM/SM	0,099/0,193	374	406	50,2	6240	6920	500	18
3 x 240/120	SM/SM	0,075/0,153	445	473	55,5	8064	8910	500	20
4 x 1,5	RE	12,1	19	27	13,0	58	165	1000	9
4 x 2,5	RE	7,41	25	36	13,9	96	225	1000	10
4 x 4	RE	4,61	34	46	15,8	154	326	1000	10
4 x 6	RE	3,08	43	58	16,9	230	436	1000	12
4 x 10	RE	1,83	59	78	19,1	384	620	1000	12
4 x 10	RM	1,83	59	78	19,5	384	698	1000	12
4 x 16	RM	1,15	78	107	22,0	614	980	500	10

No. of conductors and cross sectional area	Conductor shape	Maximal resistance of conductor at 20 °C	Current carrying capacities in air	Current carrying capacities in ground	Overall diameter (approx)	Copper weight	Net weight (approx)	Packing	Drum size
mm ²		Ω/km	A	A	mm	kg/km	kg/km	m	No
4 x 25	RM	0,727	105	132	27,8	960	1506	500	12
4 x 35	RM	0,524	129	159	30,5	1344	1992	500	14
4 x 35	SM	0,524	129	159	26,4	1344	1600	500	12
4 x 50	SM	0,387	157	188	29,9	1920	2080	500	12
4 x 70	SM	0,268	199	232	33,2	2688	2890	500	14
4 x 95	SM	0,193	246	280	38,6	3648	4210	500	16
4 x 120	SM	0,153	285	318	41,8	4608	5236	500	16
4 x 150	SM	0,124	326	359	46,7	5760	6315	500	16
4 x 185	SM	0,099	374	406	51,3	7104	7836	500	20
4 x 240	SM	0,075	445	473	58,3	9216	10450	500	22
5 x 1,5	RE	12,1	19	27	13,3	72	192	1000	10
5 x 2,5	RE	7,41	25	36	14,3	120	264	1000	10
5 x 4	RE	4,61	34	46	16,7	192	369	500	9
5 x 6	RE	3,08	43	58	18,1	288	518	500	9
5 x 10	RE	1,83	59	78	20,6	480	780	500	10
5 x 10	RM	1,83	59	78	22,4	480	813	500	10
5 x 16	RM	1,15	78	101	25,7	768	1198	500	12
5 x 25	RM	0,727	105	132	30,3	1200	1850	500	14
5 x 35	RM	0,524	129	159	34,0	1680	2430	500	14
5 x 50	RM	0,387	157	188	38,6	2400	3385	500	16
5 x 70	RM	0,268	199	232	44,1	3360	4653	500	16
5 x 95	RM	0,193	246	280	50,6	4560	6312	500	20