

NYJ-J



Application

Power cables for energy supply are installed in open air, in underground, in water, indoors, in cable ducts, power stations, for industry and distribution boards as well as in subscriber networks, where mechanical damages are not to be expected.

The materials used are free from silicon and cadmium and free from varnish damaging substances.

Standards

DIN VDE 0276 - 603,
flame retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

Construction

Inner Conductor bare copper conductor solid or stranded, to DIN VDE 0295 cl. 1 or cl. 2, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or cl. 2

Core Insulation Polyvinyl chloride (PVC)

Core Color acc. to HD 308 S2, (7 cores black with continuous white numbers printed)

Stranding Elements multi cores stranded in layers

Inner Sheath Material filler sheath

Outer Insulation Material Polyvinyl chloride (PVC), black

Constant Against UV-radiation

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Technical Data

Nominal Voltage	U ₀ /U: 600 /1000 V
Nominal Volatage DC	U ₀ /U: 900 /1800 V
Test Voltage	4000 V
Bending Radius fixed (xD)	15
Operating Temperature solid	-5 °C bis 70 °C
Operating Temperature moving	-5 °C bis 70 °C
Short Circuit Temperature	160 °C
Short Circuit Duration	5 sek.
Fire Classes	Eca

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Energiekabel 1kV

Power Cables copper 1 kV



Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.	Power Load Earth (A)	Power Load Air (A)	Calorific potential (kWh/m)
Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.	Power Load Earth (A)	Power Load Air (A)	Calorific potential (kWh/m)
01301249	J	1 x 2,5 re	black - black	105,0	7,9	55	35	0,22
01301230	J	1 x 4 re	black - black	115,0	9,0	71	47	0,33
01301217	J	1 x 6 re	black - black	125,0	9,0	90	59	0,33
01301194	J	1 x 10 re	black - black	168,0	10,0	124	81	0,33
01301083	J	1 x 16 re	black - black	230,0	11,0	160	107	0,42
01301221	J	1 x 16 rm	black - black	230,0	11,0	160	1007	0,42
01301085	J	1 x 25 rm	black - black	348,0	13,0	208	144	0,58
01301086	J	1 x 35 rm	black - black	448,0	14,0	250	176	0,67
01301087	J	1 x 50 rm	black - black	586,0	15,0	296	214	0,81
01301088	J	1 x 70 rm	black - black	796,0	17,0	365	270	0,92
01301089	J	1 x 95 rm	black - black	1.068,0	19,0	438	334	1,17
01301090	J	1 x 120 rm	black - black	1.304,0	21,0	501	389	1,31
01301091	J	1 x 150 rm	black - black	1.594,0	22,0	563	446	1,58
01301092	J	1 x 185 rm	black - black	1.954,0	25,0	639	516	
01301093	J	1 x 240 rm	black - black	2.560,0	27,0	746	618	2,21
01301094	J	1 x 300 rm	black - black	3.149,0	31,0	848	717	
01301218	J	1 x 400 rm	black - black	4.003,0	35,0	975	843	
01301229	J	1 x 500 rm	black - black	5.130,0	40,0	1125	994	
01301095	J	3 x 1,5 re	black - black	179,0	11,0	27	20	0,75
01301096	J	3 x 2,5 re	black - black	222,0	12,0	36	25	0,83

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Power Cables copper 1 kV



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01301097	J	3 x 4 re	black - black	312,0	14,0	47	34	1,08
01301098	J	3 x 6 re	black - black	389,0	15,0	59	43	1,22
01301100	J	3 x 10 re	black - black	538,0	17,0	79	59	1,42
01301101	J	3 x 16 re	black - black	747,0	19,0	102	79	1,69

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01301102	J	3 x 16 rm	black - black	747,0	19,0	102	79	1,69
01301103	J	3 x 25 rm	black - black	1.300,0	25,0	133	106	2,47
01301111	J	3 x 25/16 rm/re	black - black	1.323,0	24,0	0	0	
01301112	J	3 x 25/16 rm/rm	black - black	1.323,0	24,0	0	0	
01301104	J	3 x 35 sm	black - black	1.530,0	25,0	159	129	2,14
01301113	J	3 x 35/16 sm/re	black - black	1.541,0	26,0	0	0	
01301105	J	3 x 50 sm	black - black	1.800,0	28,0	188	157	2,60
01301115	J	3 x 50/25 sm/rm	black - black	2.139,0	30,0	0	0	
01301106	J	3 x 70 sm	black - black	2.400,0	30,0	232	199	3,08
01301117	J	3 x 70/35 sm/rm	black - black	2.906,0	34,0	0	0	
01301107	J	3 x 95 sm	black - black	3.300,0	35,0	280	246	4,06
01301118	J	3 x 95/50 sm/sm	black - black	3.976,0	39,0	0	0	
01301108	J	3 x 120 sm	black - black	4.000,0	38,0	318	285	4,47
01301119	J	3 x 120/70 sm	black - black	4.996,0	41,0	0	0	
01301109	J	3 x 150 sm	black - black	4.900,0	42,0	359	326	5,42
01301120	J	3 x 150/70 sm	black - black	5.939,0	46,0	0	0	
01301110	J	3 x 185 sm	black - black	6.500,0	47,0	406	374	
01301121	J	3 x 185/95 sm	black - black	7.569,0	51,0	0	0	
01301215	J	3 x 240 sm	black - black	8.300,0	53,0	473	445	
01301122	J	3 x 240/120 sm	black - black	9.682,0	59,0	0	0	

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01301123	J	3 x 300/150 sm	black - black	11.909,0	66,0	0	0	
01301124	J	4 x 1,5 re	black - black	208,0	12,0	27	20	0,83
01301126	J	4 x 2,5 re	black - black	261,0	13,0	36	25	0,94
01301128	J	4 x 4 re	black - black	371,0	15,0	47	34	1,25

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01301130	J	4 x 6 re	black - black	469,0	16,0	59	43	1,42
01301132	J	4 x 10 re	black - black	687,0	19,0	79	59	1,67
01301133	J	4 x 10 rm	black - black	687,0	19,0	79	59	1,67
01301134	J	4 x 16 re	black - black	929,0	20,0	102	79	2,03
01301135	J	4 x 16 rm	black - black	929,0	20,0	102	79	2,03
01301136	J	4 x 25 rm	black - black	1.453,0	25,0	133	106	2,89
01301236	J	4 x 25rm+16re	black - black	1.717,0	26,7	0	0	
01301137	J	4 x 35 sm	black - black	1.750,0	26,0	159	129	2,61
01301138	J	4 x 50 sm	black - black	2.347,0	32,0	188	157	3,31
01301139	J	4 x 70 sm	black - black	3.234,0	34,0	232	199	4,80
01301237	J	4 x 70rm+35rm	black - black	4.038,0	38,2	0	0	
01301140	J	4 x 95 sm	black - black	4.415,0	39,0	280	246	5,11
01301141	J	4 x 120 sm	black - black	5.506,0	43,0	318	285	5,69
01301142	J	4 x 150 sm	black - black	6.714,0	48,0	359	326	6,97
01301143	J	4 x 185 sm	black - black	8.478,0	54,0	406	374	
01301144	J	4 x 240 sm	black - black	10.905,0	60,0	473	445	
01301222	J	4 x 300 sm	black - black	13.407,0	67,0	535	511	
01301145	J	5 x 1,5 re	black - black	238,0	13,0	27	20	0,94
01301147	J	5 x 2,5 re	black - black	302,0	14,0	36	25	1,08
01301148	J	5 x 4 re	black - black	433,0	16,0	47	34	1,44

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01301149	J	5 x 6 re	black - black	589,0	18,0	59	43	1,64
01301150	J	5 x 10 re	black - black	821,0	21,0	79	59	2,00
01301151	J	5 x 10 rm	black - black	821,0	21,0	79	59	2,00
01301152	J	5 x 16 re	black - black	1.174,0	23,0	102	79	2,39

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01301153	J	5 x 16 rm	black - black	1.174,0	23,0	102	79	2,39
01301154	J	5 x 25 rm	black - black	1.850,0	29,0	133	106	3,42
01301155	J	5 x 35 rm	black - black	2.325,0	33,0	159	129	
01301156	J	5 x 50 rm	black - black	3.127,0	38,0	188	157	
01301157	J	5 x 70 rm	black - black	4.294,0	42,0	232	199	
01301158	J	5 x 95 rm	black - black	5.871,0	48,8	280	246	
01301196	J	5 x 120 rm	black - black	7.211,0	51,0	318	285	
01301202	J	5 x 150 rm	black - black	8.586,0	59,0	359	326	
01301203	J	5 x 185 rm	black - black	11.048,0	63,0	406	374	
01301216	J	5 x 240 rm	black - black	14.396,0	71,0	473	445	
01301241	J	5 x 300 rm	black - black	14.050,0	75,0	535	511	
01301159	J	7 x 1,5 re	black - black	291,0	13,0	27	20	1,08
01301175	J	7 x 2,5 re	black - black	377,0	15,0	36	25	1,22
01301187	J	7 x 4 re	black - black	549,0	19,0	47	34	1,67
01301189	J	7 x 6 re	black - black	714,0	20,0	59	43	
01301190	J	7 x 10 re	black - black	1.029,0	22,0	79	59	
01301225	J	7 x 16 rm	black - black	1.580,0	25,0	102	79	
01301161	J	10 x 1,5 re	black - black	395,0	15,0	27	20	
01301177	J	10 x 2,5 re	black - black	534,0	18,0	36	25	
01301163	J	12 x 1,5 re	black - black	442,0	16,0	27	20	1,56

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01301178	J	12 x 2,5 re	black - black	604,0	19,0	36	25	1,78
01301235	J	12 x 4 re	black - black	920,0	22,8	47	34	2,53
01301165	J	14 x 1,5 re	black - black	485,0	18,0	27	20	
01301179	J	14 x 2,5 re	black - black	671,0	20,0	36	25	

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01301250	J	14 x 4 re	black - black	1.181,0	25,0	47	34	
01301167	J	16 x 1,5 re	black - black	562,0	19,0	27	20	
01301180	J	16 x 2,5 re	black - black	749,0	20,0	36	25	
01301168	J	19 x 1,5 re	black - black	629,0	20,0	27	20	2,06
01301181	J	19 x 2,5 re	black - black	845,0	21,0	36	25	2,44
01301247	O	19 x 4 re	black - black	1.354,0	28,0	47	34	3,42
01301169	J	21 x 1,5 re	black - black	687,0	20,0	27	20	
01301182	J	21 x 2,5 re	black - black	925,0	22,0	36	25	
01301170	J	24 x 1,5 re	black - black	787,0	22,0	27	20	2,56
01301183	J	24 x 2,5 re	black - black	1.062,0	24,0	36	25	2,94
01301171	J	30 x 1,5 re	black - black	935,0	24,0	27	20	
01301184	J	30 x 2,5 re	black - black	1.271,0	26,0	36	25	
01301172	J	40 x 1,5 re	black - black	1.175,0	26,0	27	20	
01301185	J	40 x 2,5 re	black - black	1.610,0	29,0	36	25	
01301198	J	48 x 2,5 re	black - black	2.070,0	36,0	36	25	
01301173	J	52 x 1,5 re	black - black	1.400,0	30,0	27	20	
01301186	J	52 x 2,5 re	black - black	2.150,0	35,0	36	25	
01301174	J	61 x 1,5 re	black - black	1.650,0	32,0	27	20	

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