

NYY-O

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	Füllmantel oder Bänderung
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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Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.	Power Load Earth (A)	Power Load Air (A)
Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.	Power Load Earth (A)	Power Load Air (A)
01301248	O	1 x 2,5 re	black - black	105,0	7,9	39	28
01301208	O	1 x 4 re	black - black	115,0	9,0	50	37
01301214	O	1 x 6 re	black - black	125,0	9,0	62	47
01301200	O	1 x 10 re	black - black	168,0	10,0	83	64
01301001	O	1 x 16 re	black - black	230,0	11,0	107	84
01301206	O	1 x 16 rm	black - black	230,0	11,0	107	84
01301002	O	1 x 25 rm	black - black	348,0	13,0	138	114
01301003	O	1 x 35 rm	black - black	448,0	14,0	164	139
01301004	O	1 x 50 rm	black - black	586,0	15,0	195	169
01301005	O	1 x 70 rm	black - black	796,0	17,0	238	213
01301006	O	1 x 95 rm	black - black	1.068,0	19,0	286	264
01301007	O	1 x 120 rm	black - black	1.304,0	21,0	325	307
01301008	O	1 x 150 rm	black - black	1.594,0	22,0	365	352
01301009	O	1 x 185 rm	black - black	1.954,0	25,0	413	406
01301010	O	1 x 240 rm	black - black	2.560,0	27,0	479	483
01301011	O	1 x 300 rm	black - black	3.149,0	31,0	541	557
01301012	O	1 x 400 rm	black - black	4.003,0	35,0	614	646
01301204	O	1 x 500 rm	black - black	5.130,0	40,0	693	747
01301223	O	1 x 630 rm	black - black	6.850,0	42,0	777	858
01301231	O	1 x 800 rm	black - black	8.500,0	49,0	859	971
01301246	O	1 x 1000 rm	black - black	10.033,0	51,0	936	1078
01301014	O	2 x 1,5 re	black - black	160,0	11,0	0	0
01301015	O	2 x 2,5 re	black - black	200,0	12,0	0	0
01301016	O	2 x 4 re	black - black	270,0	14,0	0	0

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01301017	O	2 x 6 re	black - black	340,0	15,0	0	0
01301018	O	2 x 10 re	black - black	460,0	16,0	0	0
01301019	O	2 x 16 re	black - black	620,0	18,0	0	0
01301207	O	2 x 25 rm	black - black	760,0	23,5	0	0
01301227	O	2 x 35 rm	black - black	891,0	23,5	0	0
01301020	O	3 x 1,5 re	black - black	179,0	11,0	27	20
01301021	O	3 x 2,5 re	black - black	222,0	12,0	36	25
01301022	O	3 x 4 re	black - black	312,0	14,0	47	34
01301023	O	3 x 6 re	black - black	389,0	15,0	59	43
01301025	O	3 x 10 re	black - black	538,0	17,0	79	59
01301211	O	3 x 16 rm	black - black	747,0	19,0	102	79
01301029	O	3 x 25 rm	black - black	1.300,0	25,0	133	106
01301037	O	3 x 25/16 rm/re	black - black	1.323,0	24,0	0	0
01301030	O	3 x 35 rm	black - black	1.530,0	25,0	159	129
01301038	O	3 x 35/16 sm/re	black - black	1.541,0	26,0	0	0
01301031	O	3 x 50 rm	black - black	1.800,0	28,0	188	157
01301039	O	3 x 50/25 sm/rm	black - black	2.139,0	30,0	0	0
01301032	O	3 x 70 sm	black - black	2.400,0	30,0	232	199
01301040	O	3 x 70/35 sm/sm	black - black	2.906,0	34,0	0	0
01301033	O	3 x 95 sm	black - black	3.300,0	35,0	280	246
01301041	O	3 x 95/50 sm/sm	black - black	3.976,0	39,0	0	0
01301034	O	3 x 120 sm	black - black	4.000,0	38,0	318	285
01301042	O	3 x 120/70 sm	black - black	4.996,0	43,0	0	0
01301035	O	3 x 150 sm	black - black	4.900,0	42,0	359	326

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01301043	O	3 x 150/70 sm	black - black	5.939,0	48,0	0	0
01301036	O	3 x 185 sm	black - black	6.500,0	47,0	406	374
01301195	O	3 x 240 sm	black - black	8.300,0	53,0	473	445
01301045	O	3 x 240/120 sm	black - black	9.682,0	59,0	0	0
01301046	O	4 x 1,5 re	black - black	208,0	12,0	27	20
01301047	O	4 x 2,5 re	black - black	261,0	13,0	36	25
01301048	O	4 x 4 re	black - black	371,0	15,0	47	34
01301049	O	4 x 6 re	black - black	469,0	16,0	59	43
01301050	O	4 x 10 re	black - black	687,0	19,0	79	59
01301051	O	4 x 10 rm	black - black	687,0	19,0	79	59
01301052	O	4 x 16 re	black - black	929,0	20,0	102	79
01301053	O	4 x 16 rm	black - black	929,0	20,0	102	79
01301054	O	4 x 25 rm	black - black	1.453,0	25,0	133	106
01301055	O	4 x 35 sm	black - black	1.750,0	26,0	159	129
01301056	O	4 x 50 sm	black - black	2.347,0	32,0	188	157
01301057	O	4 x 70 sm	black - black	3.234,0	34,0	232	199
01301058	O	4 x 95 sm	black - black	4.415,0	39,0	280	246
01301059	O	4 x 120 sm	black - black	5.506,0	43,0	318	285
01301060	O	4 x 150 sm	black - black	6.714,0	47,0	359	326
01301061	O	4 x 185 sm	black - black	8.478,0	53,0	406	374
01301062	O	4 x 240 sm	black - black	10.905,0	60,0	473	445
01301239	O	4 x 300 sm	black - black	13.407,0	67,0	535	511
01301063	O	5 x 1,5 re	black - black	238,0	13,0	0	0
01301064	O	5 x 2,5 re	black - black	302,0	14,0	0	0

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01301245	O	5 x 4 re	black - black	433,0	16,0	0	0
01301212	O	5 x 10 rm	black - black	821,0	21,0	0	0
01301065	O	7 x 1,5 re	black - black	291,0	13,0	0	0
01301074	O	7 x 2,5 re	black - black	377,0	15,0	0	0
01301233	O	7 x 4 re	black - black	549,0	19,0	0	0
01301066	O	10 x 1,5 re	black - black	395,0	15,0	0	0
01301075	O	10 x 2,5 re	black - black	534,0	18,0	0	0
01301067	O	12 x 1,5 re	black - black	442,0	16,0	0	0
01301076	O	12 x 2,5 re	black - black	604,0	19,0	0	0
01301068	O	14 x 1,5 re	black - black	485,0	18,0	0	0
01301077	O	14 x 2,5 re	black - black	671,0	20,0	0	0
01301069	O	16 x 1,5 re	black - black	562,0	19,0	0	0
01301078	O	16 x 2,5 re	black - black	749,0	20,0	0	0
01301070	O	19 x 1,5 re	black - black	629,0	20,0	0	0
01301079	O	19 x 2,5 re	black - black	845,0	21,0	0	0
01301071	O	24 x 1,5 re	black - black	787,0	22,0	0	0
01301080	O	24 x 2,5 re	black - black	1.062,0	24,0	0	0
01301072	O	30 x 1,5 re	black - black	935,0	24,0	0	0
01301081	O	30 x 2,5 re	black - black	1.271,0	26,0	0	0
01301244	O	48 x 1,5 re	black - black	1.316,0	28,4	0	0