

## NYY-O



### Anwendung

Energieversorgungskabel zur Verwendung in Erde, im Wasser, im Freien, in Beton, in Innenräumen, Kabelkanälen, für Kraftwerke, Industrie und Schaltanlagen sowie in Ortsnetzen, wenn mechanische Schäden nicht zu erwarten sind.

Die verwendeten Materialien bei der Fertigung sind silikon- und cadmiumfrei und frei von lackbenetzungsstörenden Substanzen.

Nennspannung DC: 1,8 kV

### Normen

DIN VDE 0276-603,  
flammwidrig nach VDE 0482-332-1-2,  
DIN EN 60332-1-2, IEC 60332-1

CE = Das Produkt ist konform zur EG-Niederspannungsrichtlinie 2014/35/EU.

### Aufbau

<b>Innenleiter</b>	Kupferleiter ein- oder mehrdrähtig, blank nach DIN VDE 0295 Kl. 1 oder Kl. 2, BS 6360 Kl. 1 oder Kl. 2 bzw. IEC 60228 Kl. 1 oder 2
<b>Aderisolierung</b>	Polyvinylchlorid (PVC)
<b>Aderfarbcode</b>	HD 308 S2, ab 7 Adern schwarz mit fortlaufendem weißem Ziffernaufdruck
<b>Verseilelement</b>	mehradrig in Lagen verseilt
<b>Innenmantelmaterial</b>	Füllmantel oder Bänderung
<b>Außenmantelmaterial</b>	Polyvinylchlorid (PVC), schwarz
<b>Beständig gegen</b>	UV Strahlung

### 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

<b>Inner Conductor</b>	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
<b>Core Insulation</b>	Polyvinyl chloride (PVC)
<b>Core Color</b>	acc. to HD 308 S2, (7 cores black with continuous white numbers printed)
<b>Stranding Elements</b>	multi cores stranded in layers
<b>Inner Sheath Material</b>	Füllmantel oder Bänderung
<b>Outer Insulation Material</b>	Polyvinyl chloride (PVC), black
<b>Constant Against</b>	UV-radiation

**Techn. Daten**

<b>Nennspannung</b>	U <sub>0</sub> /U: 600 /1000 V
<b>Nennspannung Gleichstrom DC</b>	U <sub>0</sub> /U: 0 /1800 V
<b>Prüfspannung</b>	4000 V
<b>Biegeradius fest (xD)</b>	15
<b>Betriebstemperatur fest</b>	-5 °C bis 70 °C
<b>Betriebstemperatur beweglich</b>	-5 °C bis 70 °C
<b>Kurzschlussstemperatur</b>	160 °C
<b>Kurzschlussdauer</b>	5 sek.
<b>Brandklassen</b>	Eca

**Technical Data**

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

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

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

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

Art. Nr. Prod. Nr.	Option	Abmessung Dimensions	Farbe Color	Gewicht (kg/km) ca. Weight (kg/km) approx.	Außen-Durchmesser (mm) ca. Outer-Diameter (mm) approx.	Strombelastbarkeit Erde (A) Power Load Earth (A)	Strombelastbarkeit Luft (A) Power Load Air (A)
01301245	O	5 x 4 re	schwarz - black	433,0	16,0	0	0
01301212	O	5 x 10 rm	schwarz - black	821,0	21,0	0	0
01301065	O	7 x 1,5 re	schwarz - black	291,0	13,0	0	0
01301074	O	7 x 2,5 re	schwarz - black	377,0	15,0	0	0
01301233	O	7 x 4 re	schwarz - black	549,0	19,0	0	0
01301066	O	10 x 1,5 re	schwarz - black	395,0	15,0	0	0
01301075	O	10 x 2,5 re	schwarz - black	534,0	18,0	0	0
01301067	O	12 x 1,5 re	schwarz - black	442,0	16,0	0	0
01301076	O	12 x 2,5 re	schwarz - black	604,0	19,0	0	0
01301068	O	14 x 1,5 re	schwarz - black	485,0	18,0	0	0
01301077	O	14 x 2,5 re	schwarz - black	671,0	20,0	0	0
01301069	O	16 x 1,5 re	schwarz - black	562,0	19,0	0	0
01301078	O	16 x 2,5 re	schwarz - black	749,0	20,0	0	0
01301070	O	19 x 1,5 re	schwarz - black	629,0	20,0	0	0
01301079	O	19 x 2,5 re	schwarz - black	845,0	21,0	0	0
01301071	O	24 x 1,5 re	schwarz - black	787,0	22,0	0	0
01301080	O	24 x 2,5 re	schwarz - black	1.062,0	24,0	0	0
01301072	O	30 x 1,5 re	schwarz - black	935,0	24,0	0	0
01301081	O	30 x 2,5 re	schwarz - black	1.271,0	26,0	0	0
01301244	O	48 x 1,5 re	schwarz - black	1.316,0	28,4	0	0