

# Power cable (N)YY RF



**Application:** Flexible cable for installation indoors, outdoors, in the ground, in water and in concrete.

## Construction and technical data:

<b>Standard:</b>	VDE 0276-603, IEC 60502-1 with reference to
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	PVC
<b>Sheathing material:</b>	PVC
<b>Colour of outer sheath:</b>	black
<b>Flame-retardant:</b>	yes
<b>Max. temperature at conductor, °C:</b>	70 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-5 - +70 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-5 - +70 °C
<b>Bending radius, fixed installation, multicore:</b>	12 x Ø
<b>Bending radius, fixed installation, singlecore:</b>	15 x Ø



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

**(N)YY-O RF**

<b>Nominal voltage U<sub>o</sub>:</b>	0.6 kV
<b>Nominal voltage U:</b>	1 kV
<b>Maximum permitted operating voltage in three-phase systems:</b>	1.2 kV
<b>Max. operating voltage DC (core-earth/core-core):</b>	1,8/1,8 kV
<b>Test voltage:</b>	4 kV
<b>Protective conductor:</b>	no

part no.	part name		RI [Ohm/km]	Wi [mm]	lbl [A]	lbe [A]	Lb [mH/km]	Rbv [mm]	Ø [mm]	Fzv [N]	Cu	G [kg]
015250	1X35	RF	0.554	1.2	158	135	0.333	203	13.5	525	336	439
015251	1X50	RF	0.386	1.4	198	168	0.325	234	15.6	750	480	604
015252	1X70	RF	0.272	1.4	245	207	0.309	261	17.4	1050	672	805
015253	1X95	RF	0.206	1.6	292	250	0.302	299	19.9	1425	912	1044
015150	1X120	RF	0.161	1.6	344	292	0.294	312	20.8	1800	1152	1268
015085	1X150	RF	0.129	1.8	391	335	0.29	345	23	2250	1440	1565
014766	1X185	RF	0.106	2	448	382	0.287	386	25.7	2775	1776	1894
011781	1X240	RF	0.0801	2.2	528	453	0.281	414	27.6	3600	2304	2600
011853	1X300	RF	0.0641	2.4	608	523	0.28	477	31.8	4500	2880	3029
015656	1X400	RF	0.0486	2.6	726	624	0.275	543	36.2	6000	3840	4151
015851	1X500	RF	0.0384	2.8	693	830	0.272	570	38	25000	4800	5173

RI	Conductor resistance
Wi	Insulation wall thickness
lbl	Ampacity in air (30 °C)
lbe	Ampacity in ground (20 °C)
Lb	Specific inductivity
Rbv	Bending radius, fixed installation
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000