

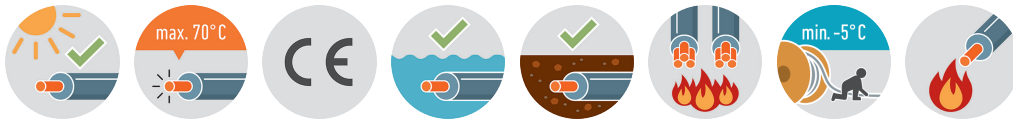
# Power cable (N)YCY FR



**Application:** For fixed installation in buildings, outdoors, in ground and in water.

## Construction and technical data:

<b>Standard:</b>	with reference to VDE 0276-603
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	class 1, from 25 sqmm class 2
<b>Insulation:</b>	PVC DIV 4
<b>Concentric conductor:</b>	Cu
<b>Sheathing material:</b>	PVC DMV5
<b>Colour of outer sheath:</b>	black
<b>Flame-retardant:</b>	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
<b>UV-resistant:</b>	yes
<b>For outdoor use:</b>	yes
<b>Max. temperature at conductor, °C:</b>	70 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-30 - +70 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-5 - +70 °C
<b>Meter mark:</b>	yes



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)YCY FR

part no.	part name		RI [Ohm/km]	Ibl [A]	Ibe [A]	Ik [kA]	Rbv [mm]	Ø [mm]	Cu	G [kg]
080288	07X1.5/2.5	RE	12.1	19	27	0.17	175	14.6	133	338
080290	40X1.5/10	RE	12.1	19	27	0.17	325	27.1	696	1260
080291	61X1.5/10	RE	12.1	19	27	0.17	395	32.9	998	2000
080350	05X2.5/2.5	RE	7.41	26	36	0.29	222	14.8	152	358
080351	12X2.5/4	RE	7.41	26	36	0.29	296	19.7	334	654
080292	07X4/4	RE	4.61	34	47	0.46	224	18.7	315	620

part no.	part name		RI [Ohm/km]	Ibl [A]	Ibe [A]	I <sub>k</sub> [kA]	Rbv [mm]	Ø [mm]	Cu	G [kg]
080352	05X10/10	RE	1.83	60	79	1.15	321	21.4	662	936
080353	05X25/16	RM	0.727	106	153	2.87	374	24.9	1382	2077
080354	05X35/16	RM	0.524	129	160	4.02	459	30.6	1862	2647

RI	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ibe	Ampacity in ground (20 °C)
I <sub>k</sub>	Short-circuit current (1 s)
Rbv	Bending radius, fixed installation
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000