

# NYCY 1 x (4-300)mm<sup>2</sup>

CU/PVC /C-CU /PVC



## Power cable, 0,6/1kV with concentric copper conductor

### Construction

Conductor:	plain annealed copper, class 1 or class 2 acc. to IEC 60228(35 mm <sup>2</sup> and above compacted Conductor)
Insulation:	PVC compound DIV-4 acc. to HRN HD 603.1
Bedding:	Polyvinyl Chloride (PVC)
Concentric conductor:	Concentric conductor in inner layer of round copper wires, outer layer with copper tape
Sheath:	UV resistant PVC ( EN 50363-4-1, DIN VDE 207 TM2)
sheath colour:	Black Ral 9005 ( Available with outer sheath in alternative colours on request.)

### Abbreviations

Y insulation & outer sheath of PVC



### Technical data

Temperature range:	
During installation :	-5 °C up to +50 °C
fixed installed:	-30 °C up to +70 °C
at short circuit of max.	5 s: up to 160 °C
ambient temperature at storage:	up to 40 °C
Nominal voltage:	U <sub>o</sub> /U = 0.6/1 KV
Test voltage:	3.5 KV AC for 5 Min
Minimal inner bending radius:	single core :15D multi core : 12D
Behavior in fire:	IEC 60332-1
Flame propagation:	IEC 60332-3 cat.A
Maximal tensile strength:	50 N/mm <sup>2</sup>

### APPLICATION

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

### DESIGN STANDARDS

IEC 60502  
DIN VDE 0276 part 603  
HD 603 S1

# NYCY 1x(4-300)mm<sup>2</sup>

CU/PVC/ C-CU/PVC

Code No.	number of cores x conductor cross- section	Construction	Construction of individual conductor	External diameter	Insulation thickness	Cable weight	Packing*
	N x mm <sup>2</sup>		nominal n x mm	Nom. mm	nom. mm	Nom. kg/km	
4610404	1 x 4/4	RM	7 x 0.85	9.2	1.2	150	CUT
4610606	1 x 6/6	RM	7 x 1.04	9.9	1.0	200	CUT
4611010	1 x 10/10	RM	7 x 1.35	11.9	1.4	315	CUT
4611616	1 x 16/16	RM	7 x 1.7	14.9	1.0	485	CUT
4612525	1 x 25/25	RM	7 x 2,2	17.2	1.2	695	CUT
4613535	1 x 35/35	RM	7 x 2,6	17.9	1.2	870	CUT
4615050	1 x 50/50	RM	19 x 1,8	21.2	1.4	1,215	CUT
4617070	1 x 70/70	RM	19 x 2,2	23.2	1.4	1,580	CUT
4619595	1 x 95/95	RM	19 x 2,6	24.2	1.6	2,090	CUT
4611212	1 x 120/120	RM	19 x 2,83	25.8	1.6	2,555	CUT
4611515	1 x 150/150	RM	37 x 2,3	27.7	1.8	3,170	CUT
4611818	1 x 185/185	RM	37 x 2,6	30.8	2.0	3,890	CUT
4612424	1 x 240/240	RM	37 x 2,95	34.5	2.2	4,980	CUT
4613030	1 x 300/300	RM	61 x 2,6	37.9	2.4	6,175	CUT

\*)Packing: c.100 = coil 100 m, CUT= cable in different lengths on drum or reel, possible cutting at required