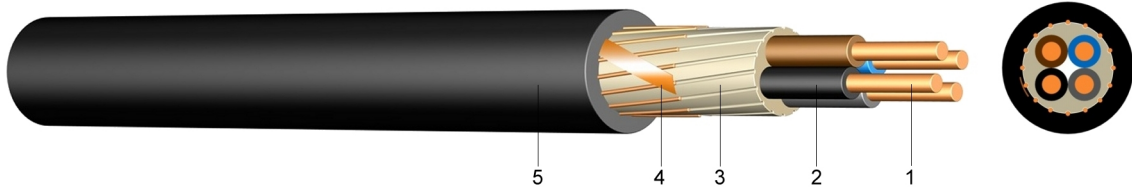


NYCY

PVC Insulated Heavy Current Cable with Concentric Conductor

Application:

In dry, humid and wet locations, cable ducts, outdoors, underground and in water.



Construction:

- 1 solid (RE) bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 PVC core covering or taping
- 4 concentric conductor of copper wires and copper tape
- 5 outer sheath of polyvinylchloride (PVC), black

Standards:

DIN VDE 0276-603
DIN EN 60228 class 1 (construction)
HD 308 S2 (core identification)

Technical data:

Nominal voltage U ₀ /U		[V]	600 / 1000 Volt
Test voltage		[V] _{Ac}	4000
Temperature range	in motion		- 5°C till +70°C
	fixed		-20°C till +70°C
Operating temperature	short circuit	°C	160
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	12
Bending radius	in motion	x diameter	15
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section	Copper figure	Overall diameter	Weight	Current carrying capacity ground	Current carrying capacity air
2 x 1,5 RE/ 1,5	51,8	12	225	27	20
2 x 2,5 RE/ 2,5	79,7	14	274	36	29
2 x 4 RE/ 4	122,9	15	366	47	39
2 x 6 RE/ 6	182,4	16	448	59	44
3 x 1,5 RE/1,5	70,1	13	240	27	20
3 x 2,5 RE/ 2,5	108,5	14	294	36	29
3 x 4 RE/ 4	161,3	16	413	47	39
3 x 6 RE/ 6	240,0	17	512	59	44
4 x 1,5 RE/1,5	84,5	14	271	27	20
4 x 2,5 RE/ 2,5	132,5	15	336	36	29
4 x 4 RE/ 4	199,7	17	477	47	39
4 x 6 RE/ 6	296,6	18	597	59	44
5 x 1,5 RE/1,5	98,9	15	305	*	*
5 x 2,5 RE/ 2,5	156,5	17	460	*	*
5 x 4 RE/ 4	238,1	20	610	*	*

Number of cores and nominal cross section	Copper figure	Overall diameter	Weight	Current carrying capacity ground A	Current carrying capacity air A
mm ²	kg/km	appr. mm	appr. kg/km		
5 x 6 RE/ 6	355,2	20	720	*	*
5 x 10 RE/ 10	600,0	23	1.080	*	*
7 x 1,5 RE/ 2,5	133,4	15	368	*	*
10 x 1,5 RE/ 2,5	175,7	18	483	*	*
12 x 1,5 RE/ 2,5	205,4	19	546	*	*
14 x 1,5 RE/ 2,5	234,2	20	601	*	*
16 x 1,5 RE/ 4	276,5	20	677	*	*
19 x 1,5 RE/ 4	319,7	22	747	*	*
24 x 1,5 RE/ 6	412,8	25	927	*	*
30 x 1,5 RE/ 6	498,2	26	1.081	*	*
7 x 2,5 RE/ 2,5	199,7	17	457	*	*
10 x 2,5 RE/ 4	286,1	20	633	*	*
12 x 2,5 RE/ 4	334,1	21	719	*	*
14 x 2,5 RE/ 6	402,2	22	803	*	*
16 x 2,5 RE/ 6	451,2	22	884	*	*
19 x 2,5 RE/ 6	522,2	24	900	*	*
24 x 2,5 RE/ 10	696,0	27	1.285	*	*
30 x 2,5 RE/ 10	840,0	28	1.418	*	*
7 x 4 RE/ 4	307,2	20	660	*	*
7 x 6 RE/ 6	469,4	25	790	*	*

* The current carrying capacity of the cables depends on the number of cores loaded (see DIN VDE 0276-627)