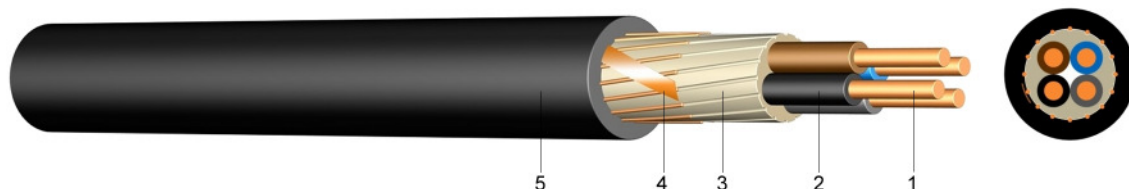


Datasheet NYCY

Version 1/2009

PVC Insulated 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

According to:

- DIN VDE 0276-627
- HD 627 S1:1996 part 1 4H1, 4H2, 7H
- 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
mm ²	kg/km	appr. mm	appr. kg / km	A	A
2 x 1,5 RE/ 1,5	54	12	225	27	20
2 x 2,5 RE/ 2,5	83	14	274	36	29
2 x 4 RE/ 4	128	15	366	47	39
2 x 6 RE/ 6	190	16	448	59	44
3 x 1,5 RE/1,5	73	13	240	27	20
3 x 2,5 RE/ 2,5	113	14	294	36	29
3 x 4 RE/ 4	168	16	413	47	39
3 x 6 RE/ 6	250	17	512	59	44
4 x 1,5 RE/1,5	88	14	271	27	20
4 x 2,5 RE/ 2,5	138	15	336	36	29
4 x 4 RE/ 4	208	17	477	47	39
4 x 6 RE/ 6	309	18	597	59	44
5 x 1,5 RE/1,5	103	15	305	*	*
5 x 2,5 RE/ 2,5	163	17	460	*	*
5 x 4 RE/ 4	248	20	610	*	*

Datasheet

Version 1/2009

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	370	20	720	*	*
5 x 10 RE/ 10	625	23	1.080	*	*
7 x 1,5 RE/ 2,5	139	15	368	*	*
10 x 1,5 RE/ 2,5	183	18	483	*	*
12 x 1,5 RE/ 2,5	214	19	546	*	*
14 x 1,5 RE/ 2,5	244	20	601	*	*
16 x 1,5 RE/ 4	288	20	677	*	*
19 x 1,5 RE/ 4	333	22	747	*	*
24 x 1,5 RE/ 6	430	25	927	*	*
30 x 1,5 RE/ 6	519	26	1.081	*	*
7 x 2,5 RE/ 2,5	208	17	457	*	*
10 x 2,5 RE/ 4	298	20	633	*	*
12 x 2,5 RE/ 4	348	21	719	*	*
16 x 2,5 RE/ 6	470	22	884	*	*
7 x 4 RE/ 4	320	20	660	*	*

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