

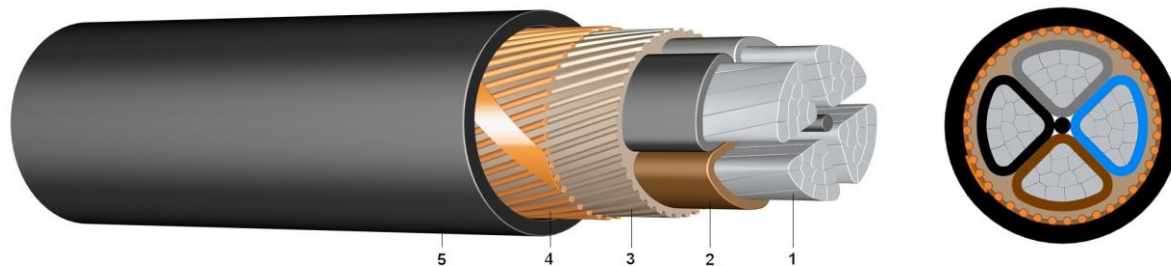


## NAYCWY

## PCV Insulated Heavy Current Cable with Concentric Conductor

### Application:

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



### Construction:

- 1 ..... solid or stranded bare aluminium wire
- 2 ..... core insulation of polyvinylchloride (PVC)
- 3 ..... PVC core covering
- 4 ..... concentric conductor of copper wires and copper tape applied helically
- 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 <sub>0</sub> /U		[V]	600 / 1000 Volt
Test voltage		[V] <sub>ac</sub>	4000
Temperature range	in motion		- 5°C till +70°C
	fixed		-20°C till +70°C
Operating temperature	short circuit	°C	160°C
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	12
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section	from stock	Aluminium figure	Copper figure	Overall diameter	Weight	Current carrying capacity ground	Current carrying capacity air
3 x 50 SM/ 25	○	441	295	30,0	1.191	145	121
3 x 70 SM/ 35	○	618	410	33,0	1.536	180	155
3 x 95 SM/ 50	○	839	583	38,1	2.039	216	189
3 x 120 SM/ 70	○	1.059	813	41,0	2.464	246	220
3 x 120 SE/ 120	○	1.059	834	40,5	2.938	246	220
3 x 150 SM/ 70	○	1.323	813	44,0	2.862	276	249
3 x 150 SE/ 150	○	1.323	1.042	44,1	3.569	276	249
3 x 185 SM/ 95	○	1.633	1.099	52,0	3.696	287	313
3 x 240 SM/120	○	2.119	1.385	56,8	5.053	362	339
4 x 25 RM/ 16	○	294	190	28,0	1.110	103	83
4 x 25 RE/ 16	●	294	190	28,0	1.096	103	83
4 x 35 SM/ 16	○	412	190	30,0	1.125	123	101
4 x 35 RE/ 16	●	412	190	30,0	1.125	123	101
4 x 50 SM/ 25	●	588	295	33,0	1.472	145	121
4 x 70 SM/ 35	○	823	410	37,0	1.880	180	155
4 x 95 SM/ 50	●	1.117	583	42,0	2.525	216	189
4 x 120 SM/ 70	●	1.411	813	46,0	3.069	246	220
4 x 150 SM/ 70	●	1.764	813	50,0	3.642	276	249
4 x 185 SM/ 95	●	2.176	1.099	58,0	4.610	313	287
4 x 240 SM/120	●	2.822	1.385	63,0	6.269	362	339