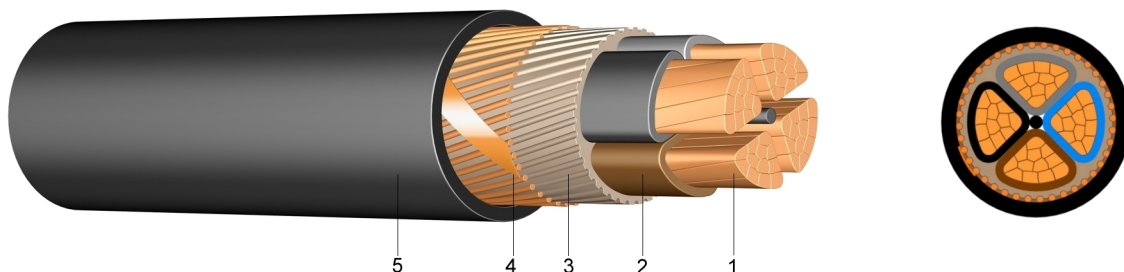


NYCWY

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 copper 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_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 10 RE/ 10	312,0	19	660	79	60
3 x 10 RE/ 10	408,0	20	760	79	60
2 x 16 RE/ 16	489,6	21	880	102	80
3 x 16 RE/ 16	643,2	22	1.040	102	80
3 x 25 RM/ 16	902,4	26	1.490	133	108
3 x 25 RM/ 25	1.003,2	26	1.580	133	108
3 x 35 SM/ 16	1.190,4	27	1.800	160	132
3 x 35 SM/ 35	1.401,6	29	1.880	160	132
3 x 50 SM/ 25	1.723,2	30	2.260	190	160
3 x 50 SM/ 50	1.999,7	31	2.460	190	160
3 x 70 SM/ 35	2.409,6	33	3.060	234	202
3 x 70 SM/ 70	2.796,5	34	3.310	234	202
3 x 95 SM/ 50	3.295,7	38	4.080	280	249
3 x 95 SM/ 95	3.791,0	40	4.510	280	249
3 x 120 SM/ 70	4.236,5	42	5.040	319	289
3 x 120 SM/120	4.785,6	43	5.490	319	289

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
3 x 150 SM/ 70	5.100,5	46	6.040	357	329
3 x 150 SM/150	5.970,2	47	6.750	357	329
3 x 185 SM/ 95	6.383,0	51	7.510	402	377
3 x 240 SM/120	8.241,6	57	9.640	463	377
4 x 10 RE/ 10	504,0	21	890	79	60
4 x 16 RE/ 16	795,8	23	1.240	102	80
4 x 25 RM/ 16	1.142,4	28	1.800	133	108
4 x 35 SM/ 16	1.526,4	28	2.130	160	132
4 x 50 SM/ 25	2.203,2	33	2.870	190	160
4 x 70 SM/ 35	3.081,6	36	3.870	234	202
4 x 95 SM/ 50	4.207,7	43	5.303	280	249
4 x 120 SM/ 70	5.388,5	46	6.380	319	289
4 x 150 SM/ 70	6.540,5	51	7.730	357	329
4 x 185 SM/ 95	8.159,0	57	9.770	402	377
4 x 240 SM/120	10.476,5	64	12.540	463	443