

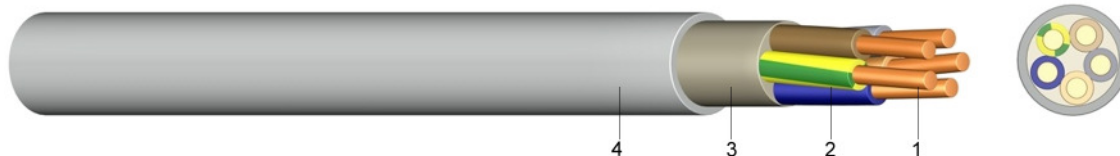
## Datasheet (N)YM

Version 1/2009

## PVC Sheathed Wire

### Application:

Only for fixed installations in dry, humid and wet locations. Not suitable for laying directly open-air or in concrete.



### Construction:

- 1 ..... bare copper, solid (RE) or stranded (RM)
- 2 ..... polyvinylchloride (PVC) insulation
- 3 ..... common core covering
- 4 ..... polyvinylchloride (PVC) outer sheath, grey or special colours

### Information:

Core identification at 7 cores: black with figures or colour cores (core colours: green/yellow, violet, pink, orange, brown, black, blue). From 10 cores on, all cores are black with figures.

### According to:

NYM : DIN VDE 0250-204  
 DIN EN 60228 Class 1 (RE) and class 2 (RM) (construction)  
 YM : ÖVE / ÖNORM E 8241  
 HD 308 S2 (core identification)

### Technical data:

Nominal voltage U <sub>0</sub> /U		[V]	300 / 500 Volt
Test voltage		[V] <sub>AC</sub>	2000
Temperature range	in motion		+5 °C till +70 °C
	fixed		-40 °C till +70 °C
Operating temperature	short circuit	°C	160
Short circuit time	max.	[sec]	5
Bending radius	min.	x diameter	4
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm <sup>2</sup>	Copper figure kg/km	Overall diameter appr.mm	Calorific potential kwh / m	Weight appr. kg / km
2 x 1,5 RE	30	8,5	0,42	105
2 x 2,5 RE	50	9,5	0,53	145
3 x 1,5 RE	45	8,8	0,44	121
3 x 2,5 RE	75	10,4	0,58	170
3 x 4 RE	120	11,5	0,72	241
3 x 6 RE	180	13,0	0,92	328
4 x 1,5 RE	60	9,6	0,53	144
4 x 2,5 RE	100	11,2	0,67	206
4 x 4 RE	160	13,2	0,92	305
4 x 6 RE	240	14,8	1,08	400
4 x 10 RE	400	17,8	1,50	622
4 x 10 RM	400	17,8	1,50	622
4 x 16 RM	640	21,8	1,86	924
5 x 1,5 RE	75	10,3	0,58	168
5 x 2,5 RE	125	12,1	0,75	242
5 x 4 RE	200	14,7	1,11	360
5 x 6 RE	300	16,1	1,28	476

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Number of cores and nominal cross section mm <sup>2</sup>	Copper figure kg/km	Overall diameter appr.mm	Calorific potential kwh / m	Weight appr. kg / km
5 x 10 RE	500	19,3	1,83	744
5 x 10 RM	500	19,3	1,83	744
5 x 16 RM	800	24,2	2,31	1.145
7 x 1,5 RE	105	11,3	0,67	212
7 x 1,5 RE color. cores	105	11,3	0,67	212
10 x 1,5 RE	150	14,7	1,05	296
12 x 1,5 RE	180	16,0	1,17	345
7 x 2,5 RE	175	14,5	0,88	320
3 x 1,5 RE red	45	8,8	0,44	121
3 x 2,5 RE red	75	10,4	0,58	170
3 x 4 RE green	45	8,8	0,44	121