

NYM-J (AT-N05VV-U)

PVC Sheated Wire



Application

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

Construction

Conductor material	Copper: solid (RE) or stranded (RM)
Insulation	Polyvinylchloride (PVC)
Filling	Common core covering
Outer sheath	Polyvinylchloride (PVC), grey or special colours

Standards and Certifications

DIN VDE 0250-204
 DIN EN 60228 cl.1 (RE) and cl.2 (RM) - (construction)
 This cable is VDE certified



Core Identification

Accordance to HD 308 S2

J: One core green/yellow, other cores are colored

JZ: One core green/yellow, other cores are black with figures

OZ: Every core is black with figures

Technical Data

Nominal voltage U ₀ /U	[V]	300 / 500 V
Test voltage	[V]AC	2000
Temperature range	in motion °C	+5°C till +70°C
	fixed °C	-40°C till +70°C
Operating temperature	short circuit °C	160°C
Short circuit time	max. [sec]	5
Bending radius	single core x diameter	4

NYM - PVC Sheated Wire

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Fire classification CPR class

Reaction to fire EN 60332-1-2 - Eca

Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
1 x 4	6.4	83	4.61
1 x 6	6.8	104	3.08
1 x 10 RE	8.5	151	1.83
1 x 10 RM	9.3	178	1.83
1 x 16 RE	10.2	215	1.15
1 x 25 RM	10.1	310	0.727
2 x 1.5	7.8	105	12.1
2 x 2.5	9.1	145	7.41
2 x 10	14.4	402	1.83
2 x 10 RM	15.2	578	1.83
2 x 16	17.0	614	1.15
2 x 25	20.0	844	0.727
2 x 35	22.4	1101	0.524
3 x 1.5	8.8	121	12.1
3 x 2.5	11.4	170	7.41
3 x 4	11.5	241	4.61
3 x 6	13.0	328	3.08
3 x 10	15.0	486	1.83
3 x 10 RM	15.9	510	1.83
3 x 16	18.7	703	1.15
3 x 25	22.2	1060	0.727
3 x 35	25.3	1368	0.524
4 x 1.5	9.6	144	12.1
4 x 2.5	11.2	206	7.41
4 x 4	13.2	305	4.61
4 x 6	14.8	400	3.08
4 x 10	17.3	622	1.83
4 x 10 RM	17.7	622	1.83

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Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
4 x 16	21.6	924	1.15
4 x 25	25.1	1385	0.727
4 x 35	28.9	1850	0.524
5 x 1.5	10.9	168	12.1
5 x 2.5	12.1	249	7.41
5 x 4	14.5	374	4.61
5 x 6 RE	17.2	493	3.08
5 x 10 RM	19.6	744	1.83
5 x 16 RM	25.1	1145	1.15
5 x 25 RM	29.9	1691	0.727
5 x 35 RM	34	1455	0.524
7 x 1.5 RE	11.9	228	12.1
7 x 2.5 RE	14.8	335	7.41

Designation

RE Solid round conductors

RM Stranded round conductors

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