

NYCY 0,6/1kV

PVC Insulated Heavy Current Cable with Concentric Conductor



Application

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

Construction

Conductor material	Copper Solid (SE)
Insulation	Polyvinylchloride (PVC)
Filling	Core covering or taping
Screening	Concentric conductor of copper wires and copper tape
Outer sheath	Polyvinylchloride (PVC), Black

Standards and Certifications

DIN VDE 0276-603
 HD 603 S1:1994 + A2:2003
 DIN EN 60228 class 1 (construction)
 This cable is VDE certified



Core Identification

Accordance to HD 308 S2
 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]	600 / 1000V
Test voltage	[V]AC	4000
Temperature range	in motion °C fixed °C	-5 °C till +70 °C -20 °C till +70 °C
Operating temperature	short circuit °C	160 °C
Short circuit time	max. [sec]	5
Bending radius	single core x diameter in motion x diameter	12 12

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Fire classification CPR class

Reaction to fire EN 50575 - Eca

Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
2 x 1.5 / 1.5 RE	13	230	12.1 / 12.1
2 x 2.5 / 2.5 RE	14	280	7.41 / 7.41
2 x 4 / 4 RE	16	370	4.61 / 4.61
2 x 6 / 6 RE	17	460	3.08 / 3.08
2 x 10 / 10 RE	19.5	635	1.83 / 1.83
3 x 1.5 / 1.5 RE	13.5	277	12.1 / 12.1
3 x 2.5 / 2.5 RE	15.2	318	7.41 / 7.41
3 x 4 / 4 RE	18.0	440	4.61 / 4.61
4 x 1.5 / 1.5 RE	15.0	311	12.1 / 12.1
4 x 2.5 / 2.5 RE	16.1	378	7.41 / 7.41
4 x 4 / 4 RE	20.0	530	4.61 / 4.61
4 x 6 / 6 RE	21.4	700	3.08 / 3.08
5 x 1.5 / 1.5 RE	15.8	371	12.1 / 12.1
5 x 2.5 / 2.5 RE	17.0	451	7.41 / 7.41
5 x 4 / 4 RE	19.4	622	4.61 / 4.61
5 x 6 / 6 RE	21.0	780	3.08 / 3.08
7 x 1.5 / 2.5 RE	16.9	402	12.1 / 7.41
7 x 2.5 / 2.5 RE	18.0	519	7.41 / 7.41
7 x 4 / 4 RE	20.6	698	4.61 / 4.61
7 x 6 / 6 RE	22.4	818	3.08 / 3.08
8 x 4 / 4 RE	23.5	803	4.61 / 4.61
10 x 1.5 / 2.5 RE	19.6	615	12.1 / 7.41
10 x 2.5 / 4 RE	21.4	834	7.41 / 7.61
12 x 1.5 / 2.5 RE	20.1	669	12.1 / 7.41
12 x 2.5 / 4 RE	22.0	866	7.41 / 4.61
14 x 1.5 / 2.5 RE	20.8	734	12.1 / 7.41
14 x 2.5 / 6 RE	22.9	1023	7.41 / 3.08
16 x 1.5 / 4 RE	22.2	820	12.1 / 4.61
16 x 2.5 / 6 RE	24.1	1100	7.41 / 3.08
19 x 1.5 / 4 RE	22.9	872	12.1 / 4.61
19 x 2.5 / 6 RE	24.8	1256	7.41 / 3.08
24 x 1.5 / 6 RE	25.9	1208	12.1 / 3.08
24 x 2.5 / 10 RE	27.5	1659	7.41 / 1.83
30 x 1.5 / 6 RE	27.0	1400	12.1 / 3.08
30 x 2.5 / 10 RE	30	1886	7.41 / 1.83
40 x 1.5 / 10 RE	30.3	1750	12.1 / 1.83

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