

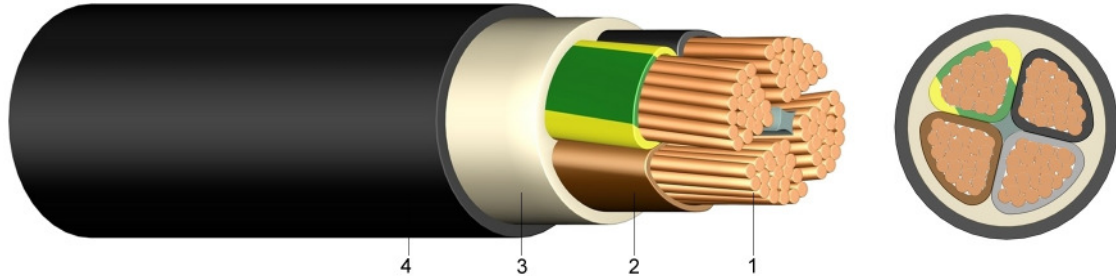
## Datasheet E-Y2Y

Version 1/2009

### PVC Insulated Cable with Copper Conductor and PE Outer Sheath

#### Application:

This power cable is suitable for fixed installations, preferably in cable ducts, indoors, outdoors, in water or underground if no mechanical damage is to be expected.



#### Construction:

- 1 ..... solid (RE) or stranded (RM/SM) bare copper
- 2 ..... core insulation of polyvinylchloride (PVC)
- 3 ..... PVC core covering or taping
- 4 ..... outer sheath of polyethylene (PE), black, Shore-hardness >55

#### According to:

ÖVE K 23 and K 603  
HD 603 S1:1994 + A2:2003  
DIN EN 60228 class 1 and 2 (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	160
Short circuit time	max.	5
Bending radius	single-core style	15 x diameter
	multi-core style	12 x diameter
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	Weight appr. kg / km	Current carrying capacity ground	Current carrying capacity air
				A	A
4 x 6 RE	240	15	570	56	43
4 x 10 RE	400	20	775	75	60
4 x 10 RM	400	20	775	75	60
4 x 16 RE	640	21	1.050	98	80
4 x 16 RM	640	22	1.100	98	80
4 x 25 RM	1.000	25	1.632	128	106
4 x 35 SM	1.400	27	1.959	157	131
4 x 50 SM	2.000	32	2.595	185	159
5 x 6 RE	300	17	672	*	*
5 x 10 RE	500	21	921	*	*

\* The current carrying capacity of the cables depends on the number of cores loaded (see DIN VDE 0276-627)