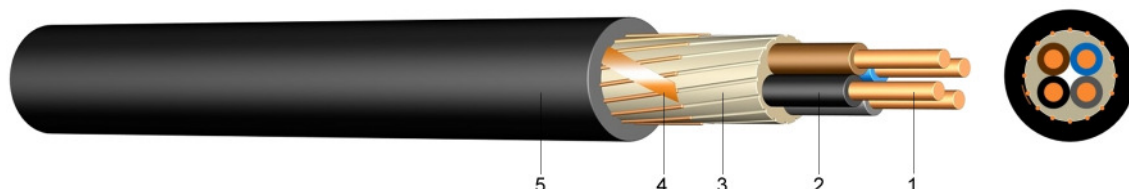


E-YCY

PVC Insulated Cable with Concentric Conductor Screen Cross Section 16 mm²

Application:

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



Construction:

- 1 solid (RE) or stranded (RM/SM) bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 PVC core covering or taping
- 4 concentric conductor of copper wires and copper tape
- 5 outer sheath of polyvinylchloride (PVC), black

According to:

ÖVE K23 and K 603
HD 603.S1
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
mm ²	kg/km	appr. mm	appr. kg / km	A	A
4 x 1,5 RE/ 16	250	15	260	26	18
7 x 1,5 RE/ 16	295	17	540	*	*
10 x 1,5 RE/ 16	340	20	660	*	*
12 x 1,5 RE/ 16	370	20	700	*	*
14 x 1,5 RE/ 16	400	21	750	*	*
19 x 1,5 RE/ 16	475	23	900	*	*
24 x 1,5 RE/ 16	550	27	1.110	*	*
30 x 1,5 RE/ 16	640	28	1.260	*	*
4 x 2,5 RE/ 16	290	16	330	34	25
5 x 2,5 RE/ 16	315	17	580	*	*
7 x 2,5 RE/ 16	365	18	630	*	*
10 x 2,5 RE/ 16	440	21	800	*	*
12 x 2,5 RE/ 16	490	22	890	*	*
14 x 2,5 RE/ 16	540	23	980	*	*

Datasheet

Version 1/2009

Number of cores and nominal cross section	Copper figure	Overall diameter	Weight	Current carrying capacity ground A	Current carrying capacity air A
mm ²	kg/km	appr. mm	appr. kg / km		
19 x 2,5 RE/ 16	665	26	1.180	*	*
24 x 2,5 RE/ 16	790	29	1.450	*	*
30 x 2,5 RE/ 16	940	30	1.630	*	*
2 x 4 RE/ 16	270	16	510	44	34
4 x 4 RE/ 16	350	18	630	44	34
5 x 4 RE/ 16	390	19	730	*	*
7 x 4 RE/ 16	470	24	950	*	*
4 x 6 RE/ 16	430	19	750	56	43
5 x 6 RE/ 16	490	21	860	*	*
4 x 10 RE/ 16	590	22	970	75	60
5 x 10 RE/ 16	690	25	1.200	*	*
5 x 16 RE/ 16	990	27	1.475	*	*

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