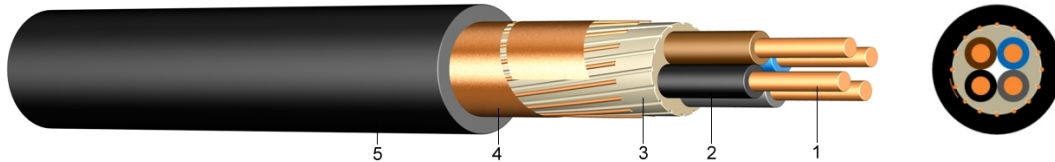


E-XYCY

PVC Insulated Cable with Concentric Conductor Screen Cross Section 16 mm² and Coppertape

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 overlapping copper tape
- 5 outer sheath of polyvinylchloride (PVC) black , UV-resistant

Standards:

adapted to ÖVE K23 and K 603
 HD 603.S1
 DIN EN 60228 class 1 (construction)
 HD 308 S2 (core identification)

Technical Data:

Nominale Voltage Uo/U		[V]	600 / 1000 Volt
Test Voltage		[V] _{Ac}	4000
Temperatur range	in motion		-5°C till +70°C
	fixed		-20°C till +70°C
Operating temperature	Short circuit	°C	160
Short circuit time	max .	in [sec]	5
Bending radius	Short circuit time	x diameter	12
	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 A	Current carrying capacity air A
4 x 1,5 RE/ 16	272,6	15	260	26	18
7 x 1,5 RE/ 16	313,0	17	540	*	*
12 x 1,5 RE/ 16	395,5	20	700	*	*
14 x 1,5 RE/ 16	450,2	21	750	*	*
19 x 1,5 RE/ 16	510,7	23	900	*	*
24 x 1,5 RE/ 16	595,2	27	1.110	*	*
30 x 1,5 RE/ 16	689,3	28	1.260	*	*
37 x 1,5 RE/ 16	793,9	27	1.284	*	*
61 x 1,5 RE/ 16	1.170,2	34	1.993	*	*
3 x 2,5 RE/ 16	271,7	14	280	36	25
4 x 2,5 RE/ 16	302,4	16	330	36	25
5 x 2,5 RE/ 16	333,1	17	580	*	*
7 x 2,5 RE/ 16	384,0	18	630	*	*
12 x 2,5 RE/ 16	521,3	22	890	*	*
19 x 2,5 RE/ 16	701,8	26	1.180	*	*

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 4 RE/ 16	370,6	18	630	47	34
4 x 6 RE/ 16	448,3	19	750	59	43
4 x 10 RE/ 16	609,6	22	970	79	59
4 x 16 RE/ 16	853,4	24	1.280	102	79
5 x 16 RE/ 16	1.077,1	27	1.445	*	*
5 x 35 RE/ 16	1.862,4	33	2.594	*	*

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