

Data sheet for Cable YSCY 0,6/1 kV

Following to standard IEC 60502-1, HD 603 S1 and ELKA Datasheet TS-A-035

Design data:

Conductor	- standard		: acc. to EN 60228
	- form - conductor up to and including 16 mm ²		: round, solid
	- conductor 25 mm ² and more		: round, stranded
	- material		: Cu, bare
Insulation	- material		: PVC acc. to HD 603 S1 Tab. 1 DIV4
	- thickness - nominal value / minimum value	[mm]	: acc. to HD 603 S1 Tab. 5
	- colour		: black with white printed numbers 4 cores 10 and 16 mm ² : blue, brown, black, grey
Lapping	- material		: one or more layers of plastic foil
Inner sheath	- material		: PVC acc. to HD 603 S1 Tab. 4A DMV5
	- colour		: black
	- thickness - nominal value	[mm]	: 1,0
Screen	- material		: one or two layers of copper tape and a tinned copper braid
Outer sheath	- material		: PVC acc. to HD 603 S1 Tab. 4A DMV5
	- colour		: black
	- thickness - nominal value	[mm]	: 1,8
	- minimum value	[mm]	: 1,24
	- marking		: running meters / type name / 0,6/1 kV BAYKA / year of manufacture
Outer diameter		[mm]	: values in table beneath
Cable weight		[mm]	: values in table beneath
Safe working temperature of cable		[°C]	: ≤ 70
Max. short-circuit-temperature		[°C]	: ≤ 160
Min. bending radius	- laying in earth	[mm]	: ≥ 12 x Outer diameter
	- laying end position ¹⁾	[mm]	: ≥ 6 x Outer diameter
Min. temperature (cable temperature) during installation		[°C]	: ≥ -5

Electrical values:

Max. D.C. resistance of conductor at 20°C	[Ω/km]	: acc. to EN 60228
Max. D.C. resistance of screen at 20°C	[Ω/km]	: acc. to EN 60228
Testing voltage (A.C)	[kV]	: 4

¹⁾ Professional laying only (acc. HD 603 S1)



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Design data (continuation):

Type n ^o	Type name	Cable outer diameter [mm]	Cable weight [kg/km]
41 459 02	2x2,5RE/4	15	295
41 459 09	2x4RE/4	17	385
41 459 10	2x6RE/10	18,5	495
41 459 19	2x10RE/10	20	625
41 459 03	3x2,5RE/4	15	315
41 459 04	4x2,5RE/6	16	375
41 459 14	4x4RE/10	18,5	540
41 459 11	4x6RE/10	19,5	635
41 459 15	4x10RE/10	21,5	845
41 459 17	4x16RE/10	24	1105
41 459 38	4x35RM/10	31,5	2070
41 459 12	5x2,5RE/6	17	430
41 459 34	7x1,5RE/6	17	415
41 459 16	7x2,5RE/10	18	545
41 459 26	10x1,5RE/10	20,5	605
41 459 32	10x2,5RE/10	22	735
41 459 40	14x1,5RE/10	21,5	685
41 459 18	14x2,5RE/10	23	845
41 459 36	19x1,5/10	23	825
41 459 20	19x2,5RE/10	25	1040
41 459 28	27x1,5RE/10	26,5	1065
41 459 24	27x2,5RE/10	29	1365
41 459 30	37x1,5RE/10	29	1330
41 459 22	37x2,5RE/10	32	1745