

Data sheet for Cable 2XSCY 0,6/1 kV

Standard: Following to standard IEC 60502-1, HD 603 S1 and Eupen Datasheet RoHS-guideline

Characteristics: Flame-retardant acc. to IEC 60332-1 and not flame spreading acc. to IEC 60332-3-24

Design data:

Conductor	- standard	: acc. to EN 60228
	- form - conductor up to and including 10 mm ²	: round, solid
	- conductor 16 mm ² and more	: round, stranded
	- material	: Cu, bare
Insulation	- material	: VPE acc. to HD 603 S1 Tab. 2 DIX3
	- thickness - nominal value / minimum value [mm]	: acc. to HD 603 S1 Tab. 5
	- colour	: more than 5 cores: black with white printed numbers, up to 4 cores: blue, brown, black, grey
Lapping	- material	: one or more layers of plastic foil, only applied by more than 5 cores
Bedding	- material	: extruded filling compound
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]	: ≤ 90
Max. short-circuit-temperature	[°C]	: ≤ 250
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°	Type	Cable outer diameter [mm]	Cable weight [kg/km]
F 341 943	7x1,5RE/6	15	330
44 459 02	2x2,5RE/4	14	275
44 459 04	4x2,5RE/4	15	355
44 459 16	7x2,5RE/6	16	390
44 459 20	19x2,5RE/8	22	810
44 459 24	27x2,5RE/10	27	1105
44 459 13	37x2,5RE/10	29	1405
44 459 12	4x4RE/8	17	485
44 459 10	2x6RE/8	16	435
44 459 11	4x6RE/8	18	580
44 459 17	4x16/10	23	1095
44 459 25	4x25/10	28	1600