

Type :

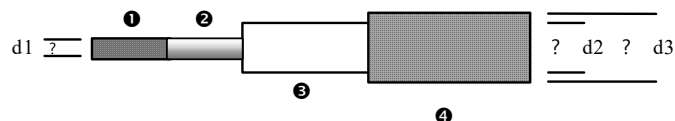
SIF/POL 1 kV

Description :

Cable for energy, single core, flexible, insulation in **silicone** with outer impregnated polyester fiber braiding.

Abilities :

Scheme :



Construction :

- ❶ Flexible Cu Conductor according to IEC60228 Cl.5
- ❷ PET tape for cross section $\geq 10 \text{ mm}^2$
- ❸ Insulation **silicone-compound** qual. **EI2** according to EN 50363-1
- ❹ Impregnated polyester fiber braiding

Description of variant :

Copper : tin-coated
 Conductor diam. : see **ST0369**
 Section : see **ST0369**
 Compound - type : **F03**
 Colour silicone : Natural (standard)
 Colour Pol. : black
 Manufacture : rolls, drums

Production test and controls :

Test and Control - ref. CAP.7-8 Quality Hand-Book- PR 3 / Certification Quality Systems **ISO 9001:2015** (n° 9125.SILI) CSQ-IMQ (IQ-NET)

Norms :

Halogen-free according to IEC 60754-1
Corrosiveness of combustion gases according to IEC 60754-2
Flame retardant and fire extinguishing acc. to IEC 60332-1
Fire resistance according to IEC60331
Low smoke emission according to IEC61034
Oil resistance : Yes
UV and Chemical properties : Good
RoHS and Reach conformed

Technical dates :

- Nominal voltage : 0,6/1 kV
- Test voltage : 3,0 kV AC
- Working temperature : -50°C to +180°C
- Short time temperature : 200°C
- Minimum radius : 5 x d3 (static)

Nom.Cross Section mm ²	Cu Constr. (*)	d1 mm	Thick. mm	d3 mm	Toll. +/- mm	Copper Sales Factor Kg/Km	Cable Weight Kg/Km	R max 20°C Ohm/Km	
								bare	tin.
1 x 1,5	30x0,25	1,6	0,8	3,6	0,2	14,4	23	13,3	13,7
1 x 2,5	50x0,25	2	0,9	4,3	0,2	24	38	7,98	8,21
1 x 4	56x0,30	2,6	1	5,1	0,3	38,4	58	4,95	5,09
1 x 6	84x0,30	3,3	1	6,1	0,3	57,6	83	3,30	3,39
1 x 10	80x0,40	4,1	1,2	7,5	0,3	96	137	1,91	1,95
1 x 16	128x0,40	5,2	1,2	8,6	0,3	153,6	198	1,21	1,24
1 x 25	196x0,40	6,5	1,4	10,3	0,4	240	297	0,78	0,795
1 x 35	280x0,40	7,6	1,4	11,4	0,4	336	397	0,554	0,565
1 x 50	400x0,40	9,2	1,6	13,4	0,4	480	553	0,386	0,393
1 x 70	544x0,40	11	1,6	15,2	0,5	672	747	0,272	0,277
1 x 95	760x0,40	12,8	1,8	17,4	0,5	912	1004	0,206	0,210
1 x 120	950x0,40	14,1	1,8	18,7	0,5	1152	1240	0,161	0,164
1 x 150	1184x0,40	16	2	21,0	0,6	1440	1555	0,129	0,132
1 x 185	1480x0,40	18,2	2,2	23,6	0,6	1776	1911	0,106	0,108
1 x 240	1887x0,40	20	2,4	25,8	0,7	2304	2449	0,0801	0,0817
1 x 300	2294x0,40	23	2,6	29,2	0,7	2880	3055	0,0641	0,0654
1 x 400	2997x0,40	27,2	2,8	33,8	0,7	3840	4042	0,0486	0,0495

(*) Number of strands : tolerance $\pm 2\%$

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