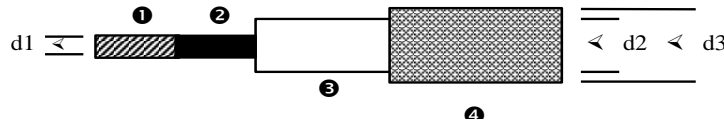


Type : **SIF/POL 1,5kV**

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

Abilities :

Scheme :



Construction : **①** Flexible Cu Conductor according to IEC 60228 Cl.5
② Semiconductive tape for section $\geq 10 \text{ mm}^2$
③ Insulation **silicone-rubber**
④ Impregnated polyester fiber braiding

Description of variant :
 Copper : bare or tin-coated
 Construction : see **ST0371**
 Compound - type : **PURARVS**
 Colour silicone : Natural (normally)
 Colour Pol. : as your inquiry (normally Yellow)
 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, IEC 60332-3
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 : 1,5 kV
 • Test voltage : 5,0 kV AC
 • Breakdown voltage : $> 10 \text{ kV}$
 • Work temperature : -55°C to $+180^\circ\text{C}$
 • Peaks : 210°C
 • Minimum radius : $5 \times d3$ (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	1	4,1	0,2	14,4	25	13,3	13,7
1 x 2,5	50x0,25	2	1,1	4,7	0,2	24	40	7,98	8,21
1 x 4	56x0,30	2,6	1,2	5,5	0,2	38,4	60	4,95	5,09
1 x 6	84x0,30	3,3	1,2	6,7	0,3	57,6	85	3,30	3,39
1 x 10	80x0,40	4,1	1,2	7,7	0,3	96	135	1,91	1,95
1 x 16	128x0,40	5,2	1,4	9,2	0,3	153,6	200	1,21	1,24
1 x 25	196x0,40	6,5	1,6	11,0	0,4	240	300	0,78	0,795
1 x 35	280x0,40	7,6	1,6	12,0	0,4	336	400	0,554	0,565
1 x 50	400x0,40	9,2	1,8	14,0	0,4	480	555	0,386	0,393
1 x 70	544x0,40	11	1,8	15,8	0,5	672	750	0,272	0,277
1 x 95	760x0,40	12,8	2	18,2	0,5	912	1010	0,206	0,210
1 x 120	950x0,40	14,1	2	19,3	0,5	1152	1245	0,161	0,164
1 x 150	1184x0,40	16	2,2	21,8	0,6	1440	1560	0,129	0,132
1 x 185	1480x0,40	18,2	2,3	24,0	0,6	1776	1900	0,106	0,108
1 x 240	1887x0,40	20	2,6	26,8	0,7	2304	2460	0,0801	0,0817
1 x 300	2294x0,40	23	2,8	29,8	0,7	2880	3045	0,0641	0,0654
1 x 400	2997x0,40	27,2	2,8	34,8	0,7	3840	4035	0,0486	0,0495

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

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