

## ÖLFLEX® 100 I

DS 38007034

Valid from: 2018-03-01

### Application

ÖLFLEX® 100 I cables are Power and control cables for fixed and flexible installation for industrial use. They are for use in dry, damp and wet atmosphere. At room temperature they are generally resistant against acids, caustics solution and certain oils. ÖLFLEX® 100 I cables are used in machine tool application, plant engineering, in panels, in heating and air conditioning installations etc. Suitable for freely moved without forced guidance and tensile stress. Plant engineering Industrial machinery heating and air-conditioning systems Power stations. Dry or damp rooms that are subject to medium mechanical loads. For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load

### Design

Conductor : Annealed Bare copper, Class V in acc. to IS 8130/IEC 60228

Approval : IS 694:2010

Insulation : PVC compound Type A in acc. to IS 5831:1984

Core identification : Colour coded as per IS 694.

2 CORE – RED & BLACK

3 CORE – RED, BLACK, Y/G **or** RED, YELLOW, BLUE

4 CORE – RED, YELLOW, BLUE, Y/G **or** RED, YELLOW, BLUE, BLACK

5 CORE – RED, YELLOW, BLUE, BLACK, GREY **or** YELLOW, BLUE, GREEN, WHITE, YELLOW/GREEN

Outer Sheath : PVC ST1 in accordance to IS 5831 – GREY to RAL 7001.

Current Rating : in acc. to IS 3961

CE approval : Certified to use CE marking on the product.

### Electrical properties

Nominal voltage 1100 V

Test voltage 4000 V AC core to core.

**Mechanical properties**

Min. bending radius occasional flexing: 15 x cable OD

Fixed installation: 6 x cable OD

Temperature range occasional flexing: -15 °C up to +70 °C max. Conductor temperature

**Flame and other tests**

Flammability in acc. with IS 10810-53 / IEC 60332-1

Tests acc. to IS 5831

**Special properties**

This product conforms to

RoHS directive (Restriction of the use of certain hazardous substances)

## TECHNICAL TABLE

Sl. No.	Article No.	Description	Nominal OD mm	Cable Weight Approx. Kg/Km	Copper Weight Approx. Kg/Km
1	38007034	ÖLFLEX 100   2 x 0.50	6.1	49	9
2	38007035	ÖLFLEX 100   3 G 0.50	6.5	58	14
3	38007036	ÖLFLEX 100   4 G 0.50	7.4	74	19
4	38007042	ÖLFLEX 100   2 x 0.75	7.1	66	13
5	38007043	ÖLFLEX 100   3 G 0.75	7.3	71	20
6	38007045	ÖLFLEX 100   4 G 0.75	7.9	88	27
7	38007053	ÖLFLEX 100   2 x 1.00	7	68	17
8	38007054	ÖLFLEX 100   3 G 1.00	7.4	80	26
9	38007055	ÖLFLEX 100   4 G 1.00	8.5	104	35
10	38007064	ÖLFLEX 100   2 x 1.50	8.1	91	25
11	38007065	ÖLFLEX 100   3 G 1.50	8.6	110	38
12	38007066	ÖLFLEX 100   4 G 1.50	9.8	141	50
13	38007067	ÖLFLEX 100   5 x 1.50	10.7	166	63
14	38007074	ÖLFLEX 100   2 x 2.50	9.2	126	42
15	38007075	ÖLFLEX 100   3 G 2.50	10	159	63
16	38007076	ÖLFLEX 100   4 G 2.50	11.3	203	84
17	38007077	ÖLFLEX 100   5 x 2.50	12.4	241	106
18	38007082	ÖLFLEX 100   3 G 4.00	12.1	243	105
19	38007083	ÖLFLEX 100   4 G 4.00	13.5	302	140
20	38000997	ÖLFLEX 100   5 x 4.00	14.8	358.6	175
21	38007092	ÖLFLEX 100   3 G 6.00	13.1	311	158
22	38007093	ÖLFLEX 100   4 G 6.00	14.5	390	211
23	38001015	ÖLFLEX 100   5 x 6.00	16.2	474	263
24	38007094	ÖLFLEX 100   3 G 10.00	16.9	648	263
25	38007095	ÖLFLEX 100   4 G 10.00	18.8	762	350
26	38001016	ÖLFLEX 100   5 x 10.00	21	789.2	438
27	38007096	ÖLFLEX 100   3 G 16.00	21.6	1008.4	411
28	38007097	ÖLFLEX 100   4 G 16.00	19.2	762	548
29	38001017	ÖLFLEX 100   5 x 16.00	21.6	997	686
30	38001018	ÖLFLEX 100   3 G 25.00	24.5	1160.8	677
31	38009040	ÖLFLEX 100   4 G 25.00	27.2	1461	903
32	38001019	ÖLFLEX 100   5 x 25.00	30.5	1803.2	1129
33	38007084	ÖLFLEX 100   3 G 35.00	26.7	1456.5	895
34	38001020	ÖLFLEX 100   4 G 35.00	29.9	1850	1194
35	38001021	ÖLFLEX 100   5 x 35.00	33.5	2281	1492
36	38001022	ÖLFLEX 100   3 G 50.00	31.5	2130	1272
37	38001023	ÖLFLEX 100   4 G 50.00	35	2730	1696