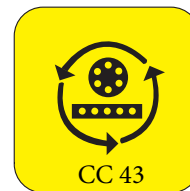


POWERMITE

TEXOFLEX 500V - TFX-Y-OZ
TEXOFLEX 500V - TFX-Y-JZ



Application

As control and supply cables for control units in metal working machines, transportation equipment, production lines, as well as for control and measuring systems at rated voltage U_0/U 300 / 500 V .

The cables are suitable for flexible applications for free, non-continuous returning movement, without tensile load as well as for fixed laying.

They are oil and chemical resistant under normal operation conditions and are suitable for use in dry, damp or wet interiors. These cables may only be laid outdoors with UV-protection and in observance of the temperature range.

Technical data

- rated voltage U_0/U : 300/500 V
- test voltage: 4 kV
- insulation resistance at 70 °C: min 20 GΩ x cm
- maximum conductor temperature: + 70 °C
- max. conductor temperature at short circuit for 5 s : +160 °C
- temperature range:
occasional flexing: - 15 °C** to +70 °C; fixed installation : -40 °C to +80 °C
** Tested according EN 60811-1-4: cold bending test, impact resistance test at low temperatures, elongation test at low temperatures.
- minimum temperature during installation: - 5 °C
- minimum bending radius for: mobile - 15 D; fixed - 4 D (D - outer cable diameter)
- flame test: flame-retardant acc. to IEC 60332-1
- sheath colour: silver grey - RAL 7001

Cable design

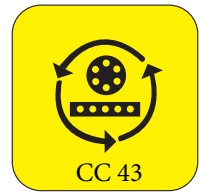
- copper conductors class 5 according to IEC 60228
- insulation: PVC compound type TI2 according to HD 21.1
- sheath: PVC compound type TM2 according to HD 21.1

Core identification in accordance to EN 50334

TFXY-JZ - all cores black, with imprinted numbers and a green-yellow protective conductor in the outer layer

TFXY-OZ - all cores black, with imprinted numbers

Number of Conductors and Cross Section	Outer Diameter	Copper Weight	Number of Conductors and Cross Section	Outer Diameter	Copper Weight
No x mm ²	mm	kg/km	No x mm ²	mm	kg/km
2 x 0,5	4,7	9,6	2 x 1,5*	6,1	29
3 x 0,5	4,9	14,4	3 x 1,5*	6,5	43
4 x 0,5*	5,3	19	4 x 1,5*	7,0	58
5 x 0,5*	6,0	24	5 x 1,5*	7,9	72
6 x 0,5	6,5	29	6 x 1,5	8,6	86
7 x 0,5	6,5	34	7 x 1,5*	8,6	101
			9 x 1,5*	11,0	129,6
10 x 0,5	8,2	48	10 x 1,5	11,3	144
12 x 0,5*	8,2	58	12 x 1,5*	11,3	173
14 x 0,5	9,0	67	14 x 1,5	12,2	202
			18 x 1,5*	13,7	259,2



Number of Conductors and Cross Section No x mm ²	Outer Diameter mm	Copper Weight kg/km	Number of Conductors and Cross Section No x mm ²	Outer Diameter mm	Copper Weight kg/km
19 x 0,5	10,1	91	19 x 1,5	13,8	274
21 x 0,5*	11,0	100,8	21 x 1,5*	15,2	302,4
24 x 0,5	12,0	115	24 x 1,5	16,2	346
25 x 0,5*	12,0	120	25 x 1,5*	16,5	360
27 x 0,5	12,1	130	27 x 1,5	16,7	389
30 x 0,5	12,6	144	30 x 1,5	17,3	432
37 x 0,5	14,0	178	37 x 1,5	19,3	533
2 x 0,75*	5,1	14,4	2 x 2,5*	7,6	48
3 x 0,75*	5,4	22	3 x 2,5*	8,0	72
4 x 0,75*	6,1	29	4 x 2,5*	9,0	96
5 x 0,75*	6,7	36	5 x 2,5*	9,8	120
6 x 0,75	7,2	43	6 x 2,5	10,9	144
7 x 0,75*	7,2	50	7 x 2,5*	10,9	168
10 x 0,75	9,5	72	10 x 2,5	14,3	240
12 x 0,75*	9,5	86	12 x 2,5*	14,3	288
14 x 0,75	10,1	101	14 x 2,5	15,4	336
19 x 0,75	11,7	137	18 x 2,5*	17,1	432
21 x 0,75*	12,6	151,2	19 x 2,5	17,6	456
24 x 0,75	13,7	173			
25 x 0,75*	13,7	180	2 x 4,0	8,6	77
27 x 0,75	13,8	194	3 x 4,0*	9,3	115
30 x 0,75	14,4	216	4 x 4,0*	10,4	154
34 x 0,75*	15,6	244,8	5 x 4,0	11,4	192
37 x 0,75	15,9	266	6 x 4,0	12,6	230
			7 x 4,0*	12,6	269
2 x 1,0*	5,4	19,2	2 x 6,0	10,5	115
3 x 1,0*	5,7	29	3 x 6,0	11,1	173
4 x 1,0*	6,4	38	4 x 6,0	12,3	230
5 x 1,0*	7,0	48	5 x 6,0	13,8	288
6 x 1,0	7,9	58	6 x 6,0	15,2	346
7 x 1,0*	7,9	67	7 x 6,0	15,2	403
10 x 1,0	10,1	96			
12 x 1,0*	10,1	115	2 x 10,0	14,9	192
14 x 1,0	10,9	134	3 x 10,0	15,8	288
18 x 1,0*	12,3	172,8	4 x 10,0	17,7	384
19 x 1,0	12,4	182			
21 x 1,0*	13,6	201,6	2 x 16,0	16,7	307
24 x 1,0	14,7	230	3 x 16,0	17,9	461
25 x 1,0*	14,8	240	4 x 16,0	19,8	614
27 x 1,0	14,9	259			
30 x 1,0	15,5	288	2 x 25,0	20,5	480
34 x 1,0*	16,8	326,4	3 x 25,0	21,9	720
37 x 1,0	17,1	355	4 x 25,0	24,2	960

* Indicates items which are available from stock.

Other sizes are available on request but will be subjected to minimum order quantities.

Roodepoort - 011 271 0000
Witbank - 013 692 3348/90
Rustenburg - 014 592 2209/10
email: info@powermite.co.za

Cape Town - 021 951 1505
Durban - 031 700 6830/4
Richards Bay - 035 751 1213