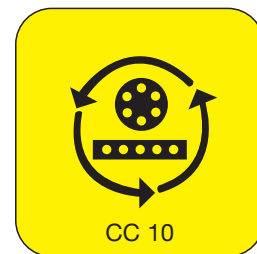
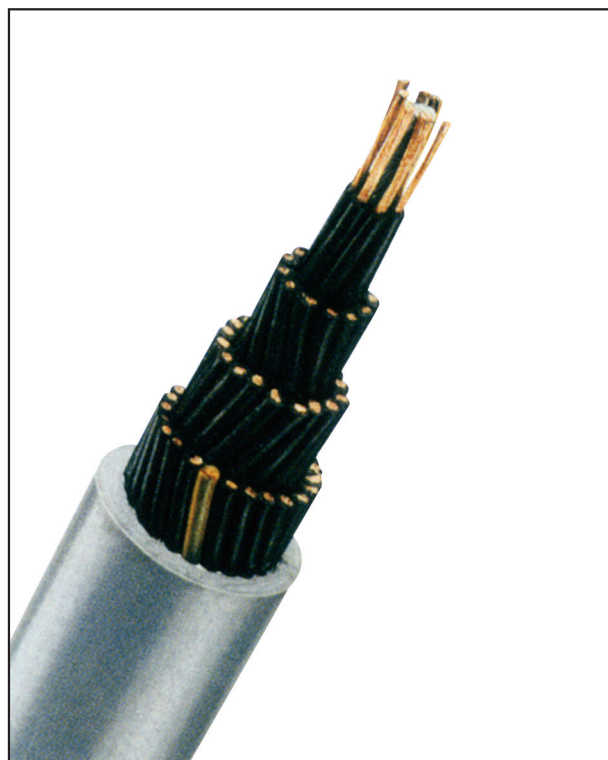


TEXOFLEXTM CABLE – TFXB

PVC FLEXIBLE CABLES ACC. TO VDE 0250/0281 SPECIFICATION – NOMINAL VOLTAGE 750 V/1000 V



FLEXIBLE CONTROL CABLE FOR MEDIUM MECHANICAL STRESSES



CONSTRUCTION

Conductors of copper, bare finely stranded to class 5, cores PVC insulated, laid up, PVC outer sheath, grey.

Please Note: Powermite can offer Texoflex cables with different stranding – insulation materials – core lay length – composite core assemblies – screens – tension relief features – a variety of PVC sheath materials and colours, flame retardant, cold, oil and chemical resistant.

CORE IDENTIFICATION to VDE 0293

Up to 5 cores : mostly coloured

6 cores and more : mostly numbered

Cable description bearing – O without earth core

Cable description bearing – J with green/yellow earth core

APPLICATION:

TFXB cables can be used indoors and outdoors, in dry, damp and wet environments as Power, Control and Instrumentation cables. It is suitable for fixed and flexible applications, but not for forced guidance and restricted movement.

For Dragchain use please refer to our installation hints EK00. T. 001 and cables as depicted on pages 25-26. The above PVC cables are also available in PUR sheathing and BUS cables of the various types!

For chemical resistance table see page 57 table 11

TECHNICAL DATA

1. Max. operating Voltage AC up to 1,5 mm ² : 450 V/ 750 V*	6. Current Capacity	:	see Table 3 page 52 to VDE 0100
from 2,5 mm ² : 600 V/1000 V*	7. Derating	:	see Table 3 page 52 to VDE 0100
2. Max. operating Voltage DC up to 1,5 mm ² : 675 V/1125 V	8. Specification	:	according to VDE 0250
from 2,5 mm ² : 900 V/1500 V	9. Min. bending radius	:	mobile 15 x cable O.D.
3. Test Voltage AC	:	3000 V	fixed 5 x cable O.D.
4. Conductor resistance	:	to DIN/VDE 0295 Class 5	10. Tensile stress
5. Temperature range	:	mobile – 15 °C to + 70 °C	:
	:	fixed – 40 °C to + 70 °C	not to exceed 15N/mm ² of total core cross section of largest core size
	11. Marking	:	printed

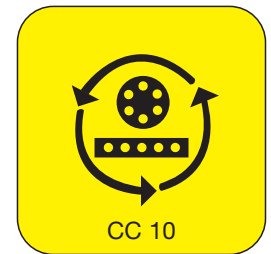
No. of cores and rated cross section	max. diameter of single strands	max. outer dimension approx.	weight approx.
mm ²	mm	mm	kg/m
TFXB-O			
2 x 0,75	0,21	6,0	0,06
3 x 1	0,21	6,5	0,08
2 x 1,5	0,26	6,8	0,08
3 x 1,5	0,26	7,2	0,10
2 x 2,5	0,26	8,0	0,12
3 x 2,5	0,26	8,5	0,15
4 x 2,5	0,26	9,3	0,18
7 x 2,5	0,26	11,6	0,30
12 x 2,5	0,26	16,0	0,52
19 x 2,5	0,26	22,0	0,77
25 x 2,5	0,26	22,9	0,99
34 x 2,5	0,26	26,0	1,34
50 x 2,5	0,26	30,5	1,89
3 x 4	0,31	12,0	0,27

No. of cores and rated cross section	max. diameter of single strands	max. outer dimension approx.	weight approx.
mm ²	mm	mm	kg/m
TFXB-J			
4 x 0,75	0,21	6,9	0,08
7 x 0,75	0,21	8,2	0,12
12 x 0,75	0,21	11,1	0,20
18 x 0,75	0,21	13,0	0,28
25 x 0,75	0,21	15,9	0,38
34 x 0,75	0,21	18,2	0,52
40 x 0,75	0,21	19,5	0,63
61 x 0,75	0,21	23,0	0,88
3 x 1	0,21	6,5	0,08
7 x 1	0,21	8,5	0,14
12 x 1	0,21	11,5	0,23
18 x 1	0,21	13,5	0,34
19 x 1	0,21	14,0	0,35
25 x 1	0,21	16,5	0,46
42 x 1	0,21	21,5	0,85
50 x 1	0,21	22,5	0,88

Above sizes may require minimum quantities
All quoted data is approximate and not binding

TEXOFLEXTM CABLE – TFXB

PVC FLEXIBLE CABLES ACC. TO VDE 0250/0281 SPECIFICATION – NOMINAL VOLTAGE 750 V/1000 V *



FLEXIBLE CONTROL CABLE FOR MEDIUM MECHANICAL STRESSES

No. of cores and rated cross section	max. diameter of single strands	max. outer dimension approx.	weight approx.	No. of cores and rated cross section	max. diameter of single strands	max. outer dimension approx.	weight approx.
mm ²	mm	mm	kg/m	mm ²	mm	mm	kg/m
TFXB-J				TFXB-J			
3 x 1,5	0,26	7,2	0,10	4 x 4	0,31	12,0	0,29
4 x 1,5	0,26	7,8	0,12	7 x 4	0,31	14,4	0,46
7 x 1,5	0,26	9,4	0,19	4 x 6	0,31	14,1	0,42
12 x 1,5	0,26	12,8	0,31	7 x 6	0,31	16,9	0,66
19 x 1,5	0,26	15,4	0,48	4 x 10	0,41	21,1	0,80
25 x 1,5	0,26	18,8	0,63	7 x 10	0,41	25,2	1,24
34 x 1,5	0,26	20,2	0,79	4 x 16	0,41	23,5	1,12
42 x 1,5	0,26	23,0	1,04	7 x 16	0,41	28,2	1,77
50 x 1,5	0,26	25,4	1,22	4 x 25	0,41	28,9	1,72
61 x 1,5	0,26	27,0	1,45				

No. of cores and rated cross section	max. diameter of single strands	max. outer dimension approx.	weight approx.	No. of cores and rated cross section	max. diameter of single strands	max. outer dimension approx.	weight approx.
mm ²	mm	mm	kg/m	mm ²	mm	mm	kg/m
TFXOE-J				TFXOE-J			
3 x 0,75	0,21	7,2	0,07	3 x 1,50	0,26	8,0	0,11
4 x 0,75	0,21	7,8	0,09	4 x 1,50	0,26	9,2	0,14
5 x 0,75	0,21	9,0	0,11	5 x 1,50	0,26	10,0	0,16
7 x 0,75	0,21	10,2	0,14	7 x 1,50	0,26	12,2	0,22
12 x 0,75	0,21	13,0	0,23	12 x 1,50	0,26	14,6	0,34
18 x 0,75	0,21	15,1	0,31	18 x 1,50	0,26	17,7	0,50
25 x 0,75	0,21	18,6	0,44	25 x 1,50	0,26	21,6	0,70
32 x 0,75	0,21	20,6	0,56	32 x 1,50	0,26	23,2	0,86
40 x 0,75	0,21	22,8	0,68	40 x 1,50	0,26	26,4	1,08
3 x 1,00	0,21	7,4	0,08	52 x 1,50	0,26	28,8	1,35
4 x 1,00	0,21	8,0	0,10	60 x 1,50	0,26	30,5	1,54
5 x 1,00	0,21	9,2	0,13	3 x 2,50	0,26	9,7	0,16
7 x 1,00	0,21	10,8	0,16	4 x 2,50	0,26	11,0	0,21
12 x 1,00	0,21	13,4	0,26	5 x 2,50	0,26	12,1	0,25
18 x 1,00	0,21	16,2	0,39	7 x 2,50	0,26	14,2	0,33
25 x 1,00	0,21	19,8	0,54	12 x 2,50	0,26	17,7	0,53
32 x 1,00	0,21	21,2	0,66	18 x 2,50	0,26	21,3	0,78
40 x 1,00	0,21	23,6	0,79	25 x 2,50	0,26	25,9	1,08
52 x 1,00	0,21	26,2	1,02	32 x 2,50	0,26	27,9	1,33
60 x 1,00	0,21	27,8	1,17	40 x 2,50	0,26	31,4	1,67
				52 x 2,50	0,26	34,6	2,10
				60 x 2,50	0,26	37,1	2,43

TFXOE cables are especially suitable for oily/greasy environments in accordance with VDE 0472 Part 803

Sizes, cores and designs not mentioned here are available on request

PLEASE NOTE: These PVC cables are also available in PUR sheathing, as BUS cables and in composite designs.