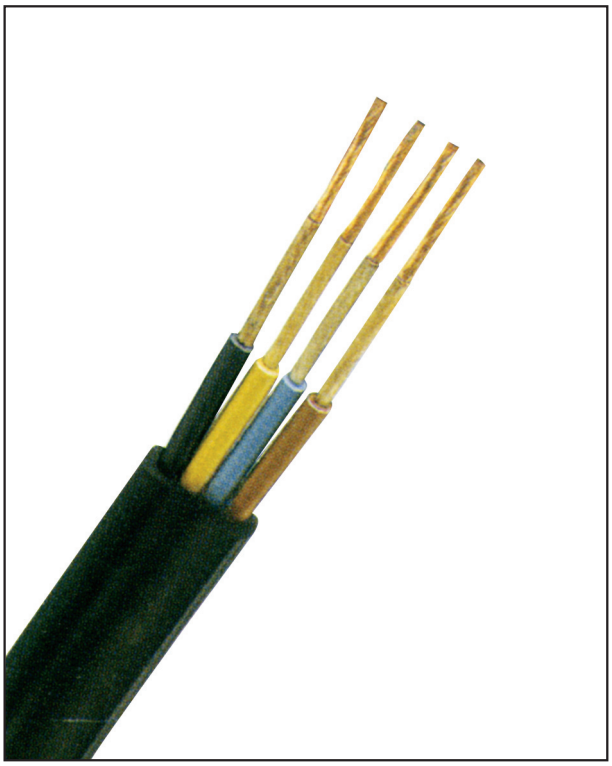
TEXOPRENE™ FLAT CABLE – TF

POLYCHLOROPRENE TYPE FLAT CABLE TO VDE 0250 – VOLTAGE 600 V

CB 10+15

FESTOONING AND LIFT DUTY
FOR MEDIUM TO HEAVY MECHANICAL STRESSES



CONSTRUCTION

Conductor of plain copper, finely stranded, class 6 and from 35 mm² upwards Class 5, separation layer, cores EPR insulated, laid up in parallel, individual groups are separated by a web, outer sheath of special compound CR, oil resistant and flame retardant, black.

Please Note: Powermite can offer Texoprene Flat cables in special designs, i.e. extra cold proof, self supporting tension relief, screened cores or pairs, with core bundles or composite core assemblies.

CORE IDENTIFICATION

Up to 5 cores : coloured

6 cores and more : black with white numbers

Cable description bearing – O without earth core

Cable description bearing – J with green/yellow earth core

APPLICATION:

TF cables can be used in dry, damp and wet environments as power, control, telemonitoring and data transmission cables.

TFSCR cables qualify as TF but offer additional screens over cores, pairs or bundles **(b)** of up to 80% coverage.
Texoprene Flat cable is suitable for indoor and outdoor use, in electrification systems, where heavy and frequent flexing in a single plane is operationally required i.e. cranes, hoists, automatic warehousing, conveyor systems, lifts etc.

TECHNICAL DATA

1. Max. operating Voltage AC	:	600 V	6. Current Capacity	:	see Table 3 page 52 VDE 0100
2. Max. operating Voltage DC	:	900 V	7. Derating	:	see Table 3 page 52 VDE 0100
3. Test Voltage AC	:	2000 V	8. Specification	:	to VDE 0250
4. Conductor resistance	:	to DIN/VDE 0295 Class 5/6	9. Min. bending radius	:	mobile 5 x cable thickness
5. Temperature range	:	mobile – 25 °C to + 60 °C			fixed 4 x cable thickness
		fixed – 40 °C to + 80 °C	10. Tensile stress	:	not to exceed 15N/mm² of total core cross section of Type TF
			11. Marking	:	printed or embossed

No. of cores and rated cross section	max. diameter stranding	max. outer dimension	weight approx.
mm²	mm	mm	kg/m
TF-J			
4 x 1,5	0,16	6,2 x 17,4	0,20
4 x 2,5	0,16	7,5 x 21,0	0,28
4 x 4	0,16	9,0 x 26,0	0,41
4 x 6	0,21	9,5 x 29,0	0,60
4 x 10	0,21	11,0 x 33,0	0,80
4 x 16	0,21	13,0 x 38,0	1,15
4 x 25	0,21	15,0 x 49,5	1,70
4 x 35	0,41	17,0 x 55,0	2,20
4 x 50	0,41	19,0 x 63,0	3,00
4 x 70	0,51	22,0 x 71,0	4,00
4 x 95	0,51	25,0 x 80,0	5,30
4 x 120	0,51	27,0 x 86,0	6,40

No. of cores and rated cross section	max. diameter stranding	max. outer dimension	weight approx.
mm²	mm	mm	kg/m
TF-J			
7 x 2,5	0,16	7,5 x 35,0	0,52
7 x 4	0,16	9,0 x 42,0	0,70
7 x 6	0,21	9,5 x 44,5	0,85
8 x 1,5	0,16	6,2 x 31,5	0,37
8 x 2,5	0,16	7,5 x 39,0	0,55
12 x 1,5	0,16	6,5 x 47,0	0,62
12 x 2,5	0,16	8,0 x 56,0	0,80
24 x 1,5	0,16	12,5 x 55,0	1,30
24 x 2,5	0,16	16,0 x 68,0	1,85

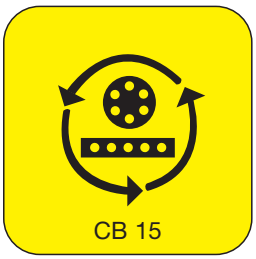
Sizes, cores and designs not mentioned here are available on request

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

continued overleaf

TEXOPRENE™ FLAT CABLE – TF

POLYCHLOROPRENE TYPE FLAT CABLE TO VDE 0250 – NOMINAL VOLTAGE 600 V



FESTOONING AND LIFT DUTY
FOR MEDIUM TO HEAVY MECHANICAL STRESSES

No. of cores and rated cross section	max. diameter stranding	max. outer dimension	weight approx.
mm²	mm	mm	kg/m
TFSCR-J			
4 x (2x1)C	0,16	11,4 x 34,8	0,60
4 x 1,5	0,16	6,8 x 20,0	0,23
4 x 2,5	0.16	8,0 x 23,0	0,29
4 x 4	0,16	10,4 x 20,0	0,51
4 x 6	0,21	11,0 x 33,0	0,60
6 x 2,5	0,16	9,4 x 36,4	0,64
8 x 1,5	0,16	7,3 x 37,0	0,48
12 x 1,5	0,16	8,4 x 56,0	0,77
12 x 2,5	0,16	9,7 x 71,0	1,15
TFSCRb-J			
5 x (4 x 0,5)C	0,16	10,4 x 41,4	0,63

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

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