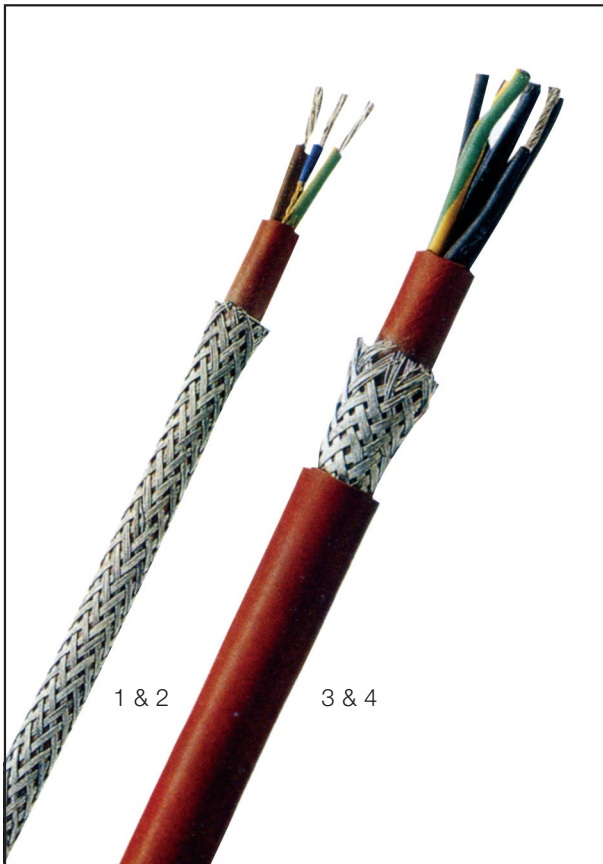
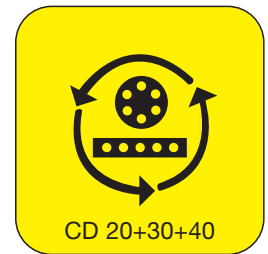


TEXOSILTM CABLE – TSS

SCREENED, FLEXIBLE SILICONE RUBBER CABLE ACC. TO VDE 0250, OPERATING VOLTAGE 600V

**FOR HIGH AMBIENT TEMPERATURE –
MEDIUM MECHANICAL STRESS or ** for “KK”**



CONSTRUCTION

Conductor of copper, finely stranded, class 5 – insulation of dielectrical and thermal high quality silicone rubber, extruded and marked – cores laid up – bedding of ozone and ray resistant silicone rubber which is also water repellent and anti adhesive ...

- Pic 1 ... for Type TSS – overall galvanised steel wire screened
- Pic 2 ... for Type TSSS – overall stainless steel wire screened
- Pic 3 ... for Type TSSBi – galvanised steel wire screened and silicone rubber overall sheathed
- Pic 4 ... for Type TSCBi – tinned copper wire screened and silicone rubber overall sheathed

Please Note: Powermite TSS, TSSBi, TSSS cables are available in different voltages, colours, super fine stranding bare or tinned, high tension ignition insulation, individual and collective braiding with a variety of materials which differ in mechanical strength, i.e. increased tear resistance. (See pages 29-35).

CORE IDENTIFICATION to VDE 0293

- Up to 5 cores : mostly coloured
- 6 cores and more : mostly black and numbered
- Cable description bearing – O without earth core
- Cable description bearing – J with green/yellow earth core

APPLICATION:

TSS cables can be used for wide ranging industrial applications where very hot and cold temperatures have to be accommodated. Silicone's ability not to cling to adhesive surfaces is often needed. This cable finds use in foundries, steel works, saunas, ships and aircrafts, chemical and certain foodstuff factories, mines and other such industries.

TSSBi/TSCBi cables are used where the screening needs protection or where high frequency external impacts are to be buffered.

TSSS cables are installed where increased mechanical or corrosive protection is required.

The above cables are available as power, control and instrumentation cable for use in the wiring of machinery and other plant installations.

**** The “KK” quality will provide an increased tear resistance on cores and/or sheath (please specify)**

Cables and wires for a temp. range of up to + 1550 °C on request, see page 40

For chemical resistance table refer to page 57 table 12

TECHNICAL DATA

- | | | | |
|------------------------------|---|------------------------|--|
| 1. Max. operating Voltage AC | : 360 V/600 V | 6. Current Capacity | : see Table 3 page 52, for increased ambient temperature |
| 2. Max. operating Voltage DC | : 540 V/900 V | 7. Insulation | : low smoke emission, no flame propagation, no corrosive gases |
| 3. Test Voltage AC | : 2000 V | 8. Specification | : according to VDE 0250, conforms where applicable to SABS 1574 & 1411 |
| 4. Conductor resistance | : to VDE 0295 Class 5 | 9. Min. bending radius | : mobile 15 x cable O.D.
fixed 8 x cable O.D. |
| 5. Temperature range | : mobile – 25 °C to + 180 °C
fixed – 50 °C to + 250 °C + | 10. Tensile stress | : not to exceed 15N/mm ² |

+ radiating heat at intervals

No. of cores and rated cross section	max. diameter of single strands	max. outer dimension	weight approx.	No. of cores and rated cross section	max. diameter of single strands	max. outer dimension	weight approx.
mm ²	mm	mm	kg/km	mm ²	mm	mm	kg/km
TSS-O				TSS-J			
2 x 0,75	0,21	6,8	76,7	2 x 0,75	0,21	6,8	76,7
2 x 1,0	0,21	7,0	83,7	2 x 1,0	0,21	7,0	83,7
2 x 1,5	0,26	8,2	111,8	2 x 1,5	0,26	8,2	111,8
2 x 2,5	0,26	9,6	159,6	2 x 2,5	0,26	9,6	159,6
2 x 4,0	0,31	11,2	221,6	2 x 4,0	0,31	11,2	221,6
3 x 0,75	0,21	7,1	86,7	3 x 0,75	0,21	7,1	86,7
3 x 1,0	0,21	7,3	96,2	3 x 1,0	0,21	7,3	96,2
3 x 1,5	0,26	8,6	136,0	3 x 1,5	0,26	8,6	136,0
3 x 2,5	0,26	10,1	189,6	3 x 2,5	0,26	10,1	189,6
3 x 4,0	0,31	11,8	271,8	3 x 4,0	0,31	11,8	271,8

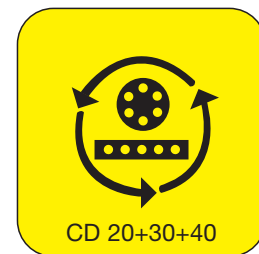
Sizes, cores and designs not stated here are available on request.

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

continued overleaf

TEXOSILTM CABLE – TSS

SCREENED, FLEXIBLE SILICONE RUBBER CABLE ACC. TO VDE 0250, OPERATING VOLTAGE 600V



**FOR HIGH AMBIENT TEMPERATURE –
MEDIUM MECHANICAL STRESS or ** for “KK”**

No. of cores and rated cross section	max. diameter of single strands	max. outer dimension	weight approx. kg/km	No. of cores and rated cross section	max. diameter of single strands	max. outer dimension	weight approx. kg/km
mm ²	mm	mm	kg/km	mm ²	mm	mm	kg/km
TSS-J				TSSS-J			
4 x 0,75	0,21	8,8	102,0	2 x 0,75	0,21	6,9	96,0
4 x 1,5	0,26	9,8	163,5	2 x 1,0	0,21	7,1	105,0
4 x 2,5	0,26	11,5	244,3	2 x 1,5	0,26	8,4	140,0
4 x 4,0	0,31	13,0	346,6	2 x 2,5	0,26	9,8	199,5
4 x 6,0	0,31	16,0	483,5	2 x 4,0	0,31	11,5	277,0
4 x 10,0	0,41	21,0	881,0	3 x 0,75	0,21	9,3	108,0
4 x 16,0	0,41	24,0	1280,0	3 x 1,0	0,21	7,4	120,0
7 x 1,5	0,26	11,4	248,0	3 x 1,5	0,26	8,8	170,0
7 x 2,5	0,26	13,8	389,0	3 x 2,5	0,26	10,4	236,0
7 x 4,0	0,31	15,6	520,0	3 x 4,0	0,31	12,1	339,0
TSSBi-J				TSSS-J			
4 x 0,75	0,21	10,3	159,0	4 x 0,75	0,21	8,2	128,0
TSCBi-J				4 x 1,5	0,26	9,7	204,0
4 x 0,75	0,21	10,3	159,0	4 x 2,5	0,26	11,8	305,0
4 x 1,5	0,26	11,9	235,0	4 x 4,0	0,31	13,3	432,0
4 x 2,5	0,26	14,2	340,0	4 x 6,0	0,31	16,3	603,7
7 x 0,75	0,21	11,6	212,0	4 x 10,0	0,41	21,4	1100,0
7 x 1,5	0,26	14,2	345,0	4 x 16,0	0,41	24,4	1600,0
7 x 2,5	0,26	16,8	489,0	7 x 1,5	0,26	11,6	310,0
12 x 0,75	0,21	14,7	333,0	7 x 2,5	0,26	14,1	490,0
12 x 1,5	0,26	18,0	531,0	7 x 4,0	0,31	15,9	650,0
18 x 0,75	0,21	17,2	452,0	16 x 2,5	0,26	20,5	950,0
18 x 1,5	0,26	20,8	720,0				

Sizes, cores and designs not stated here are available on request.

** The “KK” quality can indicate increased tear resistance on cores and sheath. – see page 31

Cables and wires for a temperature range of up to 1550°C on request, see page 40