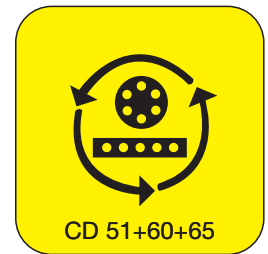
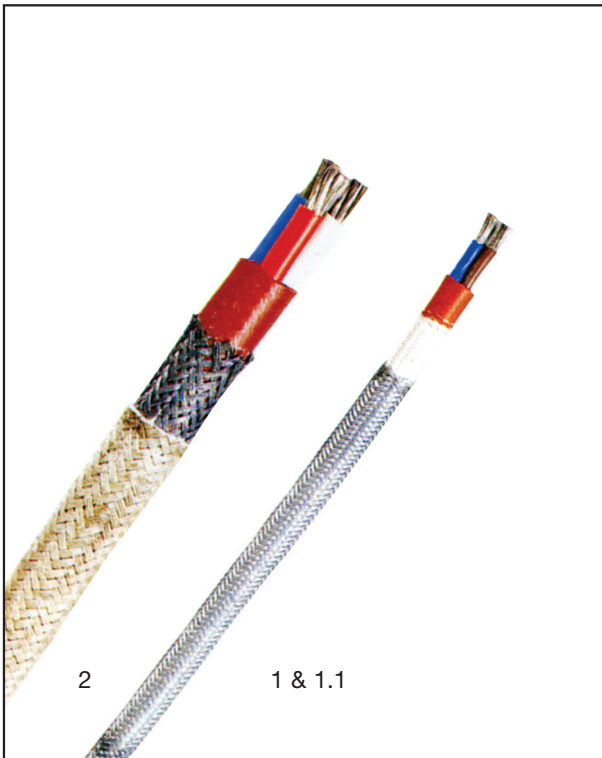


TEXOSILTM CABLE – TSGLP/TSPGL

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



FOR HIGH AMBIENT TEMPERATURE AND INCREASED 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 – sheathing of ozone and ray resistant silicone rubber which is also water repellent and anti adhesive ...

Pic 1 ... for Type TSGLP: glass fibre braided and galvanised steel wire screened

Pic 1.1 ... for Type TSGLss: glass fibre braided and stainless steel wire screened

Pic 2 ... for Type TSPGL: galvanised steel wire screened and glass fibre braided, white

Please Note: Powermite TSGLP/TSPGL/TSGLss cables are available in different voltages, super fine stranding bare or tinned, high tension ignition insulation, tear resistant, individual and collective braiding with a variety of materials which offer different mechanical properties. (See pages 29-34).

CORE IDENTIFICATION to VDE 0293

Up to 5 cores : mostly coloured

6 cores and more : mostly black with white numbers

Cable description bearing – O without earth core

Cable description bearing – J with green/yellow earth core

APPLICATION:

TSGLP-TSGLss-TSPGL 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. It is available as Power, Control and Instrumentation cable for use in the wiring of switchgear, sockets, lamps, heaters or other such gear. Their braiding and screening offers increased mechanical and, in the case of stainless steel, corrosive protection. It also acts as a heatshield for higher radiating temperatures occurring at shorter intervals. The cable is ecologically harmless, has low smoke emission, is non corrosive and all braiding/screening is halogen free.

**** 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
4. Conductor resistance	: to VDE 0295 Class 5	9. Min. bending radius	: mobile 25 x cable O.D. fixed 10 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
TSGLP-O				TSPGL-O			
2 x 4,0	0,31	11,0	320,0	2 x 2,5	0,26	9,5	160,0
3 x 16,0	0,41	23,0	1003,0	3 x 2,5	0,26	11,0	207,0
TSGLP-J				3 x 16,0	0,41	23,0	1003,0
3 x 2,5	0,26	11,0	207,0	TSPGL-J			
3 x 4,0	0,31	11,5	290,0	3 x 4,0	0,31	11,5	290,0
4 x 2,5	0,26	11,5	260,0	4 x 2,5	0,26	11,5	260,0
4 x 4,0	0,31	14,5	350,0	TSGLss			
4 x 6,0	0,31	15,5	470,0	1 x 50,0	0,41	14,0	660,0
4 x 10,0	0,40	21,0	850,0				
7 x 1,5	0,26	13,0	260,0				
7 x 4,0	0,31	15,5	540,0				
12 x 4,0	0,31	21,0	1250,0				

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

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