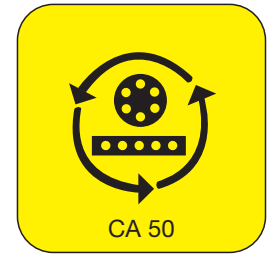
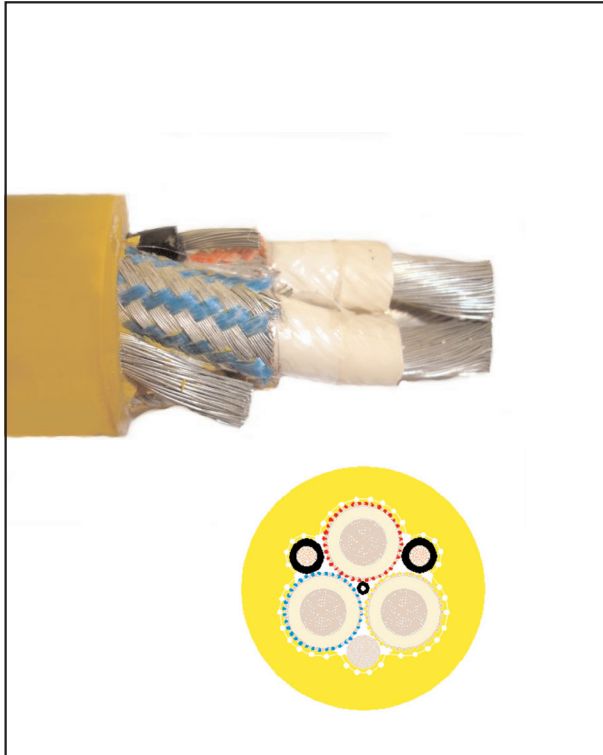


TEXOPRENETM CABLE - TRACKLESS SCOOP

TRAILING CABLE 6 CORE TYPE ACCORDING TO SANS 1520. IT COMPLIES WITH THE MINERAL ACT NO. 50/1991 AND IT'S REGULATION FOR MINES AND WORKS NO. 27 OF 1956 – NOMINAL VOLTAGE 1100 V



HEAVY DUTY MECHANICAL STRESSES



CONSTRUCTION

Phase Cores: copper conductor, tinned, finely stranded – EPR insulation of dielectric and thermal high quality, ozone resistant – extruded and protective metallic screen of mixed braid of copper wires and synthetic threads.

Pilot Cores: copper conductors, tinned, finely stranded – EPRD6 insulation – extruded.

Earth Conductor: tinned copper wires bunched as a core or cores, insulated or bare.

Outer Sheath: filling the outer interstices of the laid up cores with a heavy duty CM sheath, flame retardant, oil, tear and abrasion resistant, uv-stabilised – yellow.

Please Note: Powermite cables can be designed to suit client's particular requirements i.e. cradle centre, special braids, strandings and different sheath qualities (7G) and colours.

CORE IDENTIFICATION

SANS 1520 up to 6 core, coloured.
7 cores and more, black with numbers.

APPLICATION:

Scoop cables are suitable for very high mechanical stresses in dry, wet, explosion proof, cold or warm environments as found indoors and outdoors. It is used in open cast and underground mining on mobile machinery such as Loaders, Drills, Conveyors, Shovels and Continuous Miners.

TECHNICAL DATA

1. Max. operating Voltage AC	: 720 V / 1200 V	7. Derating	: see Table 3 page 52 to VDE 0100
2. Max. operating Voltage DC	: 1040 V / 1730 V	8. Specification	: to SANS 1520 where applicable
3. Test operating Voltage AC	: up to 3000 V	9. Min. bending radius	: see Table 8 page 55
4. Conductor resistance	: to SANS 1411, Class 5	10. Tensile stress	: not to exceed 15N/mm ² to VDE of total power core cross section
5. Temperature range	: mobile – 25 °C to + 60 °C	11. Marking	: printed or embossed
6. Current Capacity	: see Table 3 page 52 to VDE 0100		

No. of cores and rated cross section	max. diameter stranding approx.	max. outer diameter approx.	weight approx.
mm ²	mm	mm	kg/m
3 x 10 + 1 x 6E + 2 x 4P	0,41/ 0,31/ 0,31	35,0	1,5
3 x 16 + 1 x 10E + 2 x 4P	0,41/ 0,41/ 0,31	37,0	2,3
3 x 25 + 1 x 16E + 2 x 6P	0,41/ 0,41/ 0,31	38,0	2,7
3 x 35 + 1 x 16E + 2 x 6P	0,41/ 0,41/ 0,31	40,0	3,1
3 x 50 + 1 x 25E + 2 x 10P	0,41/ 0,41/ 0,41	47,0	4,0
3 x 70 + 1 x 35E + 2 x 10P	0,51/ 0,41/ 0,41	54,0	5,4

Please note:

Ask for installation instruction CA00. T. 001

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