


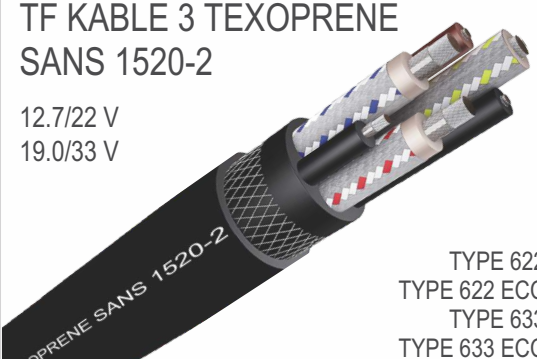
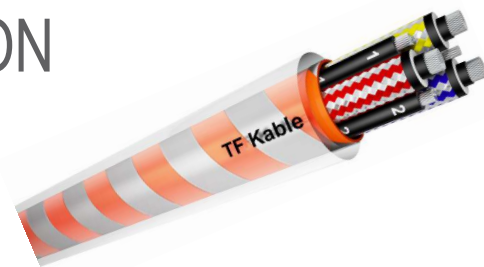


SPECIALISED MINING CABLES

<p>TF KABLE 3 TEXOPRENE SCOOP 640/1100 V</p>  <p>TRM TRMC TRSS SCOOP</p>	<p>TF KABLE 3 TEXOPRENE SANS 1520-1 640/1100 V 1900/3300 V</p>  <p>TYPE 41 TYPE 61 TYPE 63</p>
<p>TF KABLE 3 TEXOPRENE SANS 1520-2 3.8/6.6 V 6.35/11 V</p>  <p>TYPE 66 TYPE 66 ECC TYPE 611 TYPE 611 ECC</p>	<p>TF KABLE 3 TEXOPRENE SANS 1520-2 12.7/22 V 19.0/33 V</p>  <p>TYPE 622 TYPE 622 ECC TYPE 633 TYPE 633 ECC</p>

OUR LATEST INNOVATION

Flexible, reflective or neon TPU sheathed screened mining cables. High abrasion and tensile pull properties.



Manufacturer of flameproof and explosion proof products

Proof Engineering specialises in the design and manufacture of innovative flameproof, explosion proof and non-flameproof plugs, sockets, adaptors and cable couplers for the mining and tunneling industries. The range includes 0.6 kV through to 35kV, 120A through 800A couplers in a variation of configurations i.e. plugs, sockets, adaptors, as well as a PLM aluminium range that meets international specifications for hazardous and non-hazardous areas.

In addition, we are able to offer our customers:

- ✓ Fitment of the connectors to the cable when purchased as a complete set
- ✓ Comprehensive design capabilities (inclusive of unique or special designs to suit specific applications)
- ✓ Fully equipped in-house foundry and machining capacity
- ✓ State-of-the-art machining CNC machining

PROOF MINING SOLUTIONS

PROOF ENGINEERING
A division of Hudaco
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Fax: 011 824 1237
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MANUFACTURING FACILITY
No 368 Sifon Street
Robertville, Roodepoort, 1709



PROOF MINING SOLUTIONS



400A/800A 11kV/25kV Half Coupler & Kit



400A/800A 11kV/25kV HALF COUPLER & KIT

Technical Data

- ✓ Complete phase segregation, no phase-to-phase failures
- ✓ Conductors: Crimped, grubscrew or crimp type connectors
- ✓ Designed to enhance customer usage & improved safety (solid cage design)
- ✓ Each pin has two grub screws for clamping the conductors
- ✓ Housing: Aluminium
- ✓ Main contact pins: Solid copper; Pilot pins: Solid brass (These can be drilled out to suite the size of the conductors being used)
- ✓ The unit is electrically homogeneous to the cable when terminated
- ✓ Three Insulators made from specialised insulation material
- ✓ Silicon connecting sleeves contains self extinguishing agents to eliminate partial discharge



11kV 800A Unit

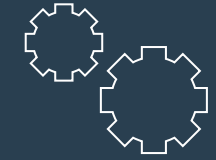


25kV 400A Unit



Tests Conducted

- ✓ High voltage withstand test 50kV at 50Hz for 1 min
- ✓ Lightning impulse test - 125kV 10 positive & 10 negative
- ✓ Temperature rise: 400A
- ✓ Tension test: Gland (Report GA01B92007)
- ✓ Tension test: Contact assembly (Report GA01B92014)
- ✓ Through fault test 20Ka for 1 sec (Report 794/8405/H37)
- ✓ Overpressure voltage test on insulators - 60kV



Features and Benefits

- Front flange easily removable if damaged (800A only)
- Individually screened phases
- Lightweight aluminium design
- Maximum cable OD: 240sqmm
- Rear grommets cut to suite cable OD
- Silicone connection tubes for improved insulation
- Solid body or split unit
- Up to 3 auxiliary pins available (excluding earth)

Applications

- Primarily used in opencast and tunneling applications
- Power supply to TBM's and draglines
- Used with flexible mining cable (such as our Texoprene TRM cable or SWA cable)

After Sales Service Solutions

- Coupler repair services (on request)
- Spares locally manufactured (ex-stock)
- Technical back-up and support 24/7
- Termination of the cable into the coupler (available on request)
- Training on terminating the coupler (available on request)