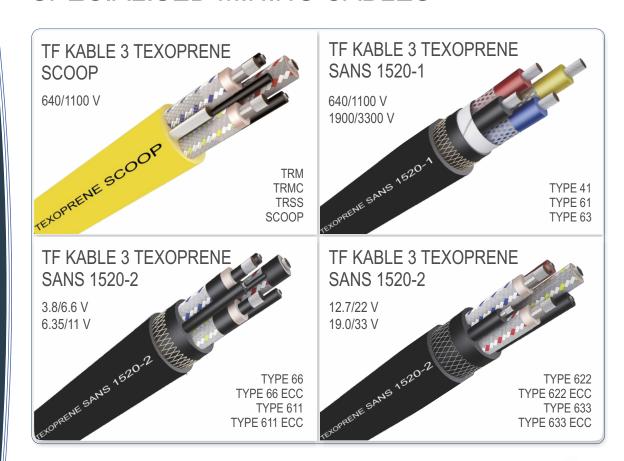
SPECIALISED MINING CABLES



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

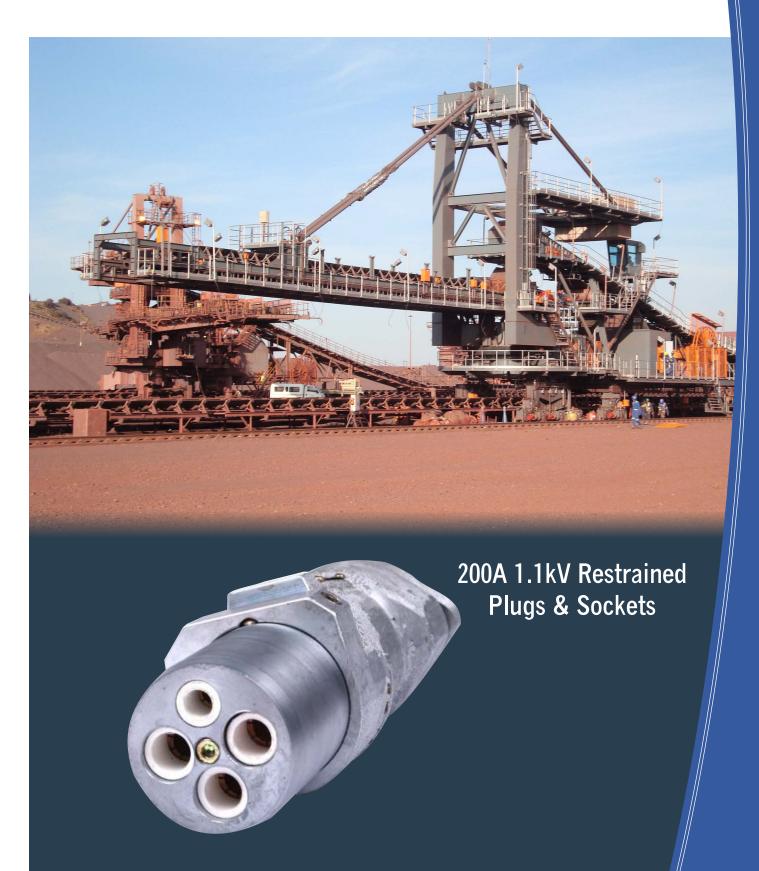


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MANUFACTURING FACILITY
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200A 1.1kV RESTRAINED PLUGS & SOCKETS

200A 1.1kV RESTRAINED PLUG

Technical Data

Receptacle, Plug, Electrical

- ✓ Cable entry for UA
- ✓ Complete phase segregation, no phase-to-phase failures
- ✓ Contact quantity & type: 3-Phase & 1 pilot
- ✓ Connector type: Plug restrained
- ✓ Current rating: 200A continuous
- ✓ DC Model available: 425A 1 positive / 1 negative phase & 2 pilots
- ✓ Flameproof certified
- ✓ Housing: Brass or Pro-Alloy
- ✓ Individually screened insulators
- ✓ Phase conductors: Copper, grubscrew or crimp type connectors
- ✓ Pilot: Brass
- ✓ Voltage: 650/1100V
- ✓ Certified to SANS 60079-0-1 & SANS 1489

200A 1.1kV RESTRAINED SOCKET

Technical Data

Receptacle, Socket, Electrical

- ✓ Complete phase segregation, no phase-to-phase failures
- ✓ Contact quantity & type: 3-Phase & 1 pilot
- Connector type: Socket restrained
- ✓ Current rating: 200A continuous
- ✓ DC Model available: 425A 1positive / 1 negative phase & 2 pilots
- ✓ Flameproof certified
- ✓ Housing: Brass or Pro-Alloy
- ✓ Individually screened insulators
- ✓ Phase conductors: Copper, grubscrew or crimp type connectors
- ✓ Pilot: Brass
- ✓ Tails can be fitted in-house
- ✓ Voltage: 650/1100V
- ✓ Tamper Proof Spindle (NEW)
- ✓ Certified to SANS IEC60079 & SANS 1489











200A 1.1kV Plug Coupler

Technical Data

Receptacle, Socket, Electrical

- ✓ Complete phase segregation, no phase-to-phase failures
- ✓ Contact quantity & type: 3-Phase & pilot
- ✓ Connector type: Back-to-back socket, restrained or bolted
- ✓ Current rating: 200A continuous
- ✓ Flameproof certified (Sockets certified separately, Exd Group 1)
- ✓ Housing: Brass or Pro-Alloy
- ✓ Individually screened insulators
- ✓ Phase conductors: Copper, grubscrew or crimp type connectors
- ✓ Pilot: Brass
- ✓ Voltage: 1100V
- ✓ Certified to SANS IEC60079-0-1 & SANS 1489







Features and Benefits

- Bolt-on type gland
- Crimp contacts
- Earth star securely fitted
- Grommets cut to suite cable sizes
- IP65 rated & corrosion resistant
- Individual insulators for lowest total cost of ownership
- Solid barrel = less damage

Applications

- Continuous miner (CM)
- Gate & boxes
- Jet fans
- Roof bolters
- Shuttle cars

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 is available
- Training on terminating the coupler (on request)