


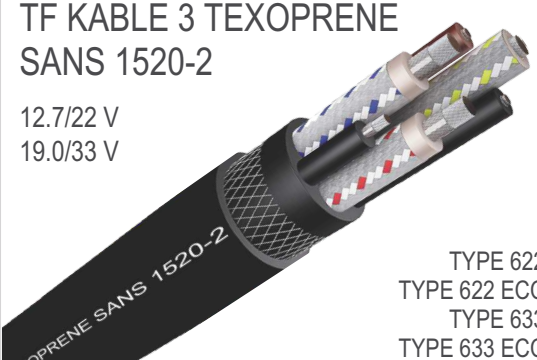


SPECIALISED MINING CABLES

<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

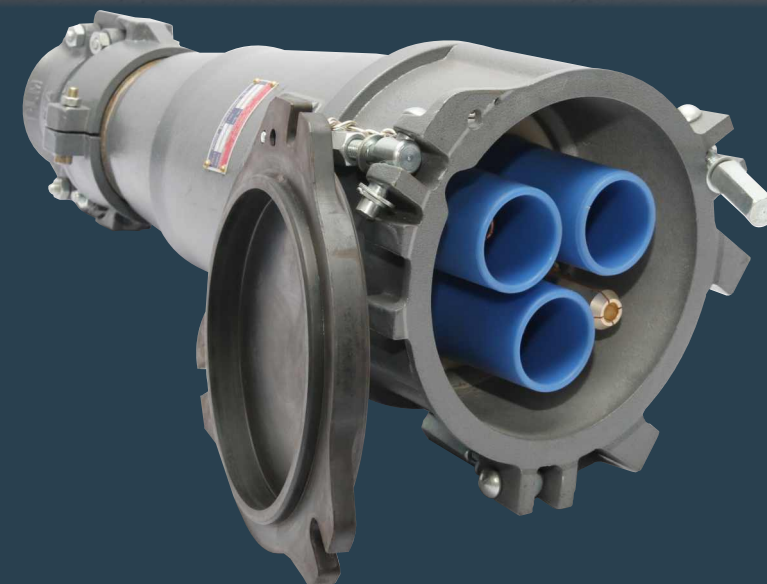
PROOF MINING CONNECTORS

PROOF ENGINEERING
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PROOF MINING CONNECTORS



415/515
Male Plugs

415/515 MALE PLUGS

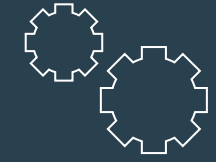
Technical Data

- ✓ Conductors: Soldered or crimped
- ✓ Contacts drilled to suite cable requirements
- ✓ Contact pins: 3-Phase connection & one earth
Up to 4 pilots (optional)
- ✓ Insulators: Silicone or Teflon
- ✓ IP54 rated & corrosion resistant
- ✓ Maximum cable diameter (415 unit): 90mm
- ✓ Maximum cable diameter (515 unit): 100mm
- ✓ Maximum 240sq mm
- ✓ Maximum conductor size: 22mm
- ✓ Plug & socket rated at 15kV 500A
- ✓ Quick-tread & quick-release coupling mechanism (available on request)
- ✓ Double key system for increased safety (available on request)



Electrical Characteristics

- ✓ Dry lightning impulse 55kV (Test report: HV/100289A)
- ✓ Phase-to-phase 32kV
- ✓ Phase-to-earth 17kV



Features and Benefits

- Double key connection system (available on request)
- Flexible silicone insulators that can be individually replaced
- Lightweight aluminium design
- Maximum cable OD: 240sqmm
- Rear grommets cut to suite cable OD
- Quick-release mechanism (easy coupling)
- Stainless steel pilots: Prevent bending during coupling
- 15000 Volt 500A rated

Applications

- Primarily used in opencast applications
- Power supply to rock drills & shovels
- Used with flexible mining cable (similar to Texoprene TRM cable)

After Sales Service Solutions

- Coupler repair services (available 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)