

SPECIALISED MINING CABLES

TF KABLE 3 TEXOPRENE
SCOOP

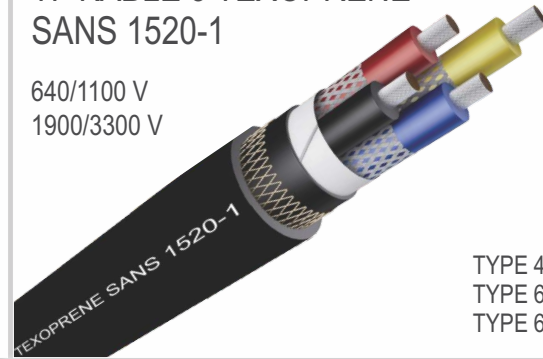
640/1100 V



TRM
TRMC
TRSS
SCOOP

TF KABLE 3 TEXOPRENE
SANS 1520-1

640/1100 V
1900/3300 V



TYPE 41
TYPE 61
TYPE 63

TF KABLE 3 TEXOPRENE
SANS 1520-2

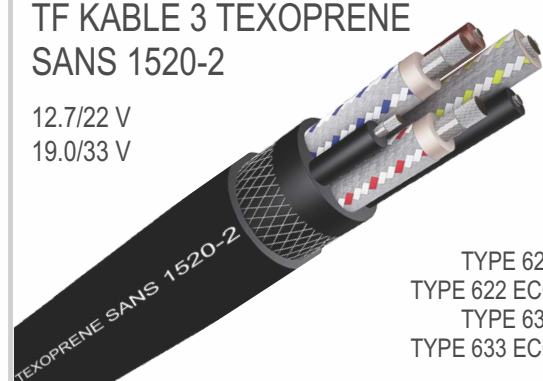
3.8/6.6 V
6.35/11 V



TYPE 66
TYPE 66 ECC
TYPE 611
TYPE 611 ECC

TF KABLE 3 TEXOPRENE
SANS 1520-2

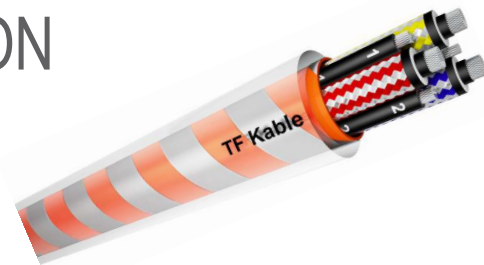
12.7/22 V
19.0/33 V



TYPE 622
TYPE 622 ECC
TYPE 633
TYPE 633 ECC

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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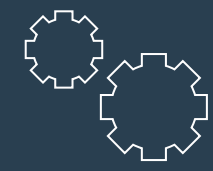


PROOF MINING SOLUTIONS



415/515
Female Plugs

415/515 FEMALE PLUGS



Technical Data

- ✓ Conductors: Soldered or crimped
- ✓ Contacts drilled to suite cable requirements
- ✓ Contact pins: 3-Phase connection & one earth
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)



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
- 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 (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)