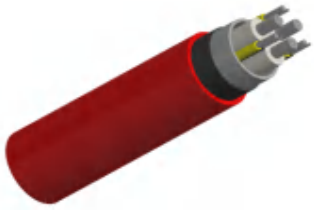
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VDE 0250 Underground Mining Coal Cutter Cable

NTSKCGERLOEU 3.6/6 (7.2) kV Underground Mining Coal Cutter Cable 3×50+3×(1.5ST+25/3)+UEL





APPLICATIONS

Type NTSKCGERLOEU Mining Cable are primarily used for connecting mobile electrical equipment in underground mining environments, specifically designed for coal cutting machines and Continuous Miners. They are engineered to handle the extreme conditions of mining operations, providing reliable power and control under severe mechanical stress and bending loads.

STANDARDS

VDE 0250 Part 813

CABLE CONSTRUCTION

- **Conductors**:
  - Flexible stranded tinned copper conductor, ensuring excellent conductivity and flexibility for dynamic mining operations.
- **Insulation**:
  - Heat-resistant 3GI3 rubber based on EPR, providing superior electrical insulation and thermal stability.
- **Pilot Cores**:
  - Copper/steel conductor capable of expansion and compression, insulated with EPR rubber for reliable signal transmission under mechanical stress.
- **Earth Conductor**:
  - Spiral of tinned copper wires and conductive tape for a secure fault current path and enhanced safety.
- **Inner Sheath**:
  - Two-layer design with semi-conductive rubber and 5GM5 rubber for robust protection and insulation.
- **Armour**:
  - Spiral of steel wires embedded in the outer sheath with fiberglass tape to prevent sheath exchange, providing mechanical protection and durability.
- **Outer Sheath**:
  - Rubber type 5GM5, resistant to abrasion, tearing, oil, and flames, ensuring longevity and reliability in harsh underground mining conditions.

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Overall Diameter (min.)	Overall Diameter (max.)	Approx. Weight
No.×mm²	mm	mm	kg/km
3×50+3×(1.5ST +25/3)+UEL	56	61	6100