



# Caledonian

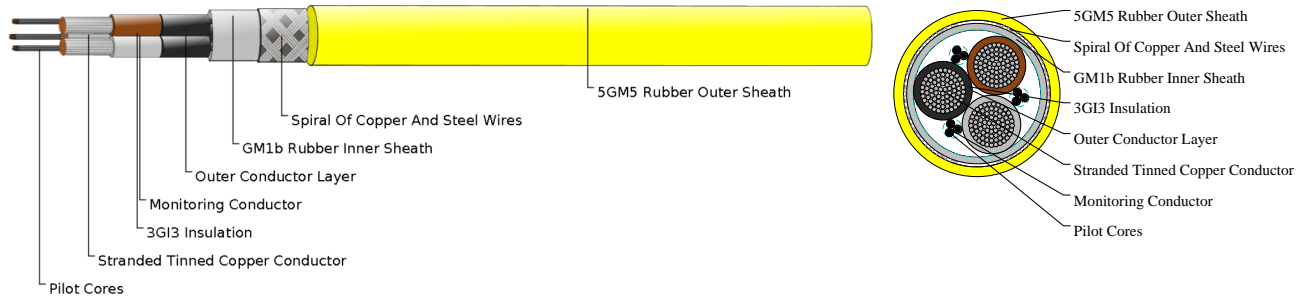
Mining Cables (VDE Standard)

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## Cables for Underground Mining

NSSHCGEOEU 0.6/1kV Coal Cutter Cable (Low Tensile Stress) 3×120/70KON+3×(1.5ST+UEL)



## APPLICATIONS

These cables are used for the connection of mobile machines under extremely high mechanical loads, predominantly in mining situations, e.g. for coal-cutting machines, suitable for extreme bending loads under low tensile stress.

## STANDARDS

VDE 0250 Part 812

## CABLE CONSTRUCTION

Conductors: Flexible stranded tinned copper conductor.

Insulation: Heat resistant 3GI3 rubber based on EPR.

Outer Conductor Layer: Easy strippable outer conductive layer.

Pilot Cores: Copper strand and steel braid conductor capable of expansion and compression with EPR rubber insulation.

Monitoring Cores: Spiral of tinned copper wires above the pilot cores, covered with a semiconductive tape.

Inner Sheath: Rubber type GM1b.

Armour/Earth Conductor: Concentric earth conductor as spiral of copper and steel wires, fibreglas tape, embedded in the outer sheath which prevents sheath exchanging.

Outer Sheath: Rubber type 5GM5, abrasion and tear resistant, oil resistant and flame retardant.

## DIMENSION AND PARAMETERS

| No. of Cores × Cross-sectional Area | Overall Diameter (min.) | Overall Diameter (max.) | Approx. Weight |
|-------------------------------------|-------------------------|-------------------------|----------------|
| No.×mm <sup>2</sup>                 | mm                      | mm                      | kg/km          |
| 3×120/70KON<br>+3×(1.5ST+UEL)       | 58                      | 63                      | 8300           |