



Caledonian

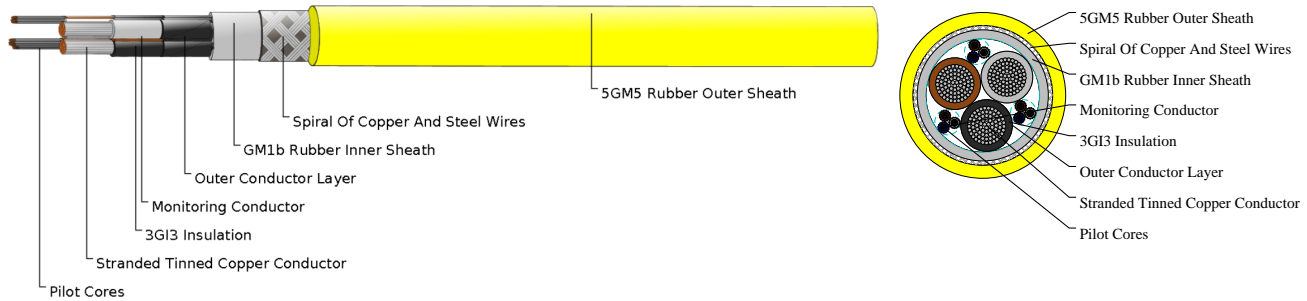
Mining Cables (VDE Standard)

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Cables for Underground Mining

NSSHCGEOEU 0.6/1kV Coal Cutter Cable (Low Tensile Stress) 3×50/25KON+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 ²	mm	mm	kg/km
3×50/25KON +3×(1.5ST+UEL)	45	48	4500