



Caledonian

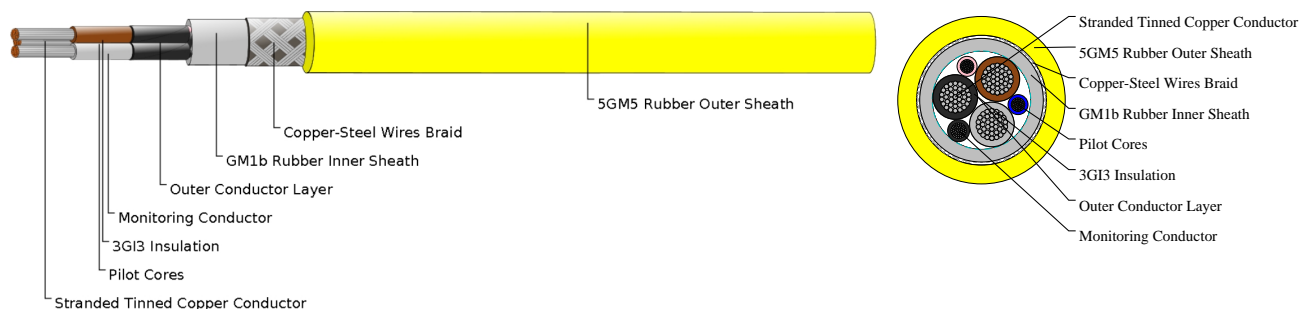
Mining Cables (VDE Standard)

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Cables for Underground Mining

NSSHCGEUEU 0.6/1kV Coal Cutter Cable (High Tensile Stress) 3×16/16KON+2ST+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, also can be operated via guide pulleys (cable cars) or used as a reeling cable (LHD), suitable for extreme bending loads, high tensile stress, and impact and crushing loads.

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 and steel conductor capable of expansion and compression with 3GI3 EPR rubber insulation.

Monitoring Conductor: Copper and steel conductor capable of expansion and compression covered with semi conductive rubber compound.

Inner Sheath: Rubber type GM1b.

Armour/Earth Conductor: Concentric earth conductor as tensile-stress-resistant braided armour of combined copper-steel wires.

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
3×16/16KON+2ST+UEL	38.5	41.5	2430