



Caledonian

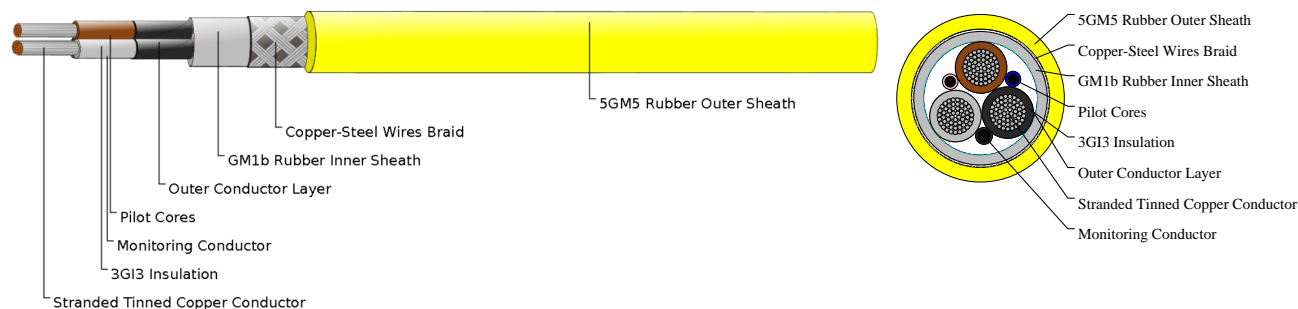
Mining Cables (VDE Standard)

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Cables for Underground Mining

NSSHCGE0EU 0.6/1kV Coal Cutter Cable (High Tensile Stress) 3×35/16KON+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 |
| 3×35/16KON+2ST+UEL | 44.5 | 48 | 3620 |