

NSSHCGEOEU 0.6/1kV Coal Cutter Cable (Low Tensile Stress)

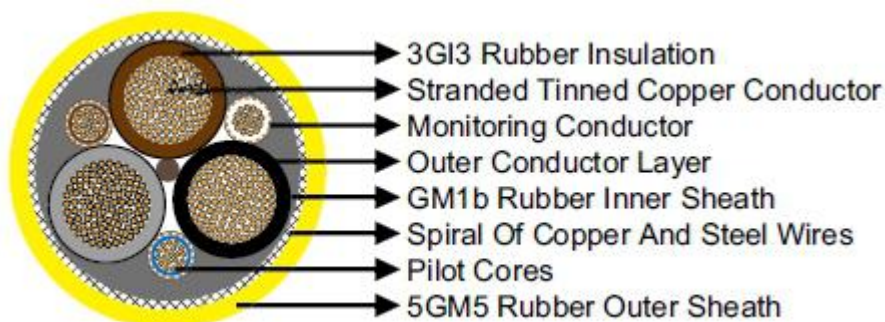
Applications

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

DIN VDE 0250 Part 812

Construction



Conductors: Flexible stranded tinned copper conductor.

Insulation: Heatresistant 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 semi-conductive tape.

Inner Sheath: Rubber type GM1b.

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

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

Dimensions and Weight

Number of Cores × Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. × mm ²	mm	mm	kg/km
3 × 16/16KON+2ST+UEL	35.0	38.0	2130
3 × 25/16KON+2ST+UEL	38.0	41.0	2790
3 × 35/16KON+2ST+UEL	41.0	45.0	3390
3 × 50/25KON+2ST+UEL	47.0	51.0	4340
3 × 70/35KON+2ST+UEL	52.0	56.0	5680
3 × 95/50KON+2ST+UEL	58.0	62.0	7180
3 × 25/16KON+3 × (1.5ST+UEL)	38.0	41.0	2920

3×35/16KON+3×(1.5ST+UEL)	41.0	45.0	3630
3×50/25KON+3×(1.5ST+UEL)	45.0	48.0	4500
3×70/35KON+3×(1.5ST+UEL)	48.0	53.0	5850
3×95/50KON+3×(1.5ST+UEL)	52.0	56.0	7400
3×120/70KON+3×(1.5ST+UEL)	58.0	63.0	8300
3×150/70KON+3×(1.5ST+UEL)	62.0	68.0	9300