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

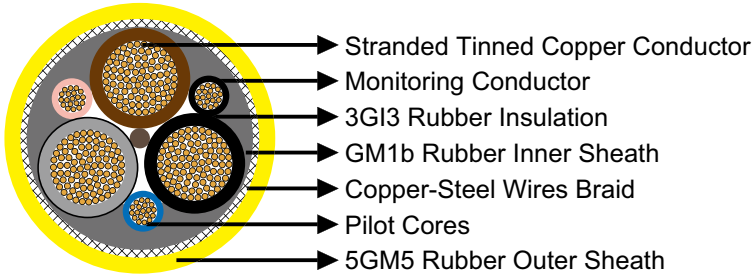
» Applications

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, 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

» 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 covert 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.

» Dimensions and Weight

Number of Cores×Nominal Cross Section	Minimium Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	mm	mm	kg/km
3×16/16KON+2ST+UEL	38.5	41.5	2430
3×25/16KON+2ST+UEL	41.0	44.5	3050
3×35/16KON+2ST+UEL	44.5	48.0	3620
3×50/25KON+2ST+UEL	50.0	54.0	4810
3×70/35KON+2ST+UEL	54.5	58.5	5890
3×95/50KON+2ST+UEL	62.5	66.5	7800
3×35/16KON+3ST+3UEL	44.5	48.0	3860
3×50/25KON+3ST+3UEL	50.0	54.0	5050
3×70/35KON+3ST+3UEL	54.5	58.5	6000
3×95/50KON+3ST+3UEL	62.5	66.5	8050
3×120/70KON+3ST+3UEL	67.5	72.0	9380
3×150/70KON+3ST+3UEL	74.5	79.0	11120

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

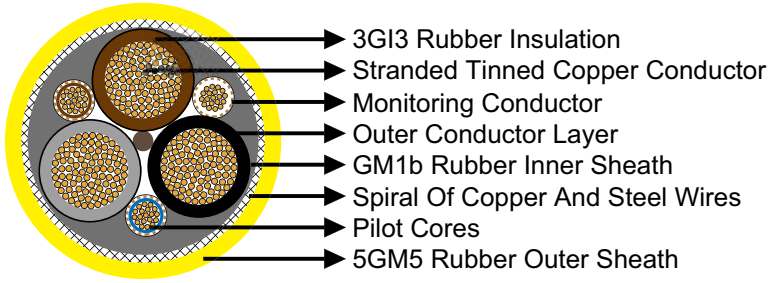
» Applications

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: 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 semi-conductive 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.