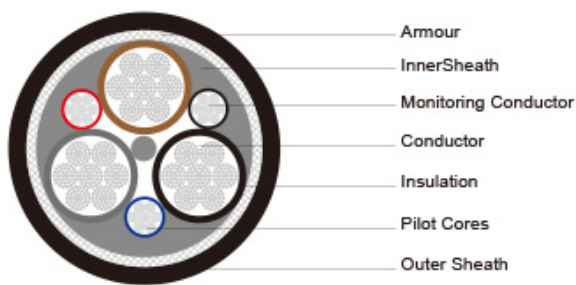


NSSHCGEOEU 0.6/1kV Coal Cutter Cable (High Tensile Stress)



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 covered with semiconductive 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	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. × mm ²	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