



### NTSCGECWOEU Medium Voltage Coal Cutter Cable

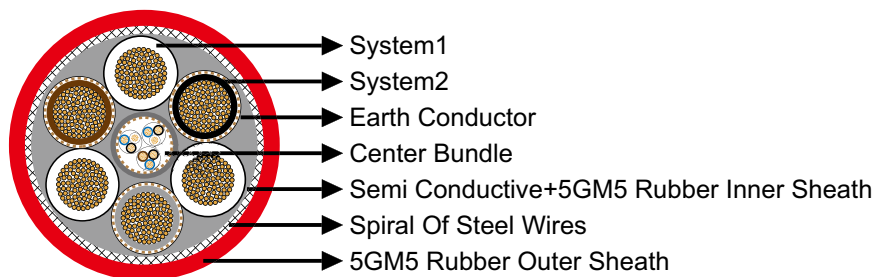
#### » Applications

These cables are used for the connection of mobile electrical equipment in underground mines, e.g. for coal-cutting machines, especially for the use in bretby chains with extreme bending loads under low tensile stress.

#### » Standards

VDE 0250 Part 813

#### » Construction



**System1 (1.8/3kV or 3.6/6kV):** Flexible stranded tinned copper conductor with heat resistant 3GI3 rubber based on EPR, easy strippable outer conductive layer.

**System2 (0.6/1kV):** Flexible stranded tinned copper conductor with heat resistant 3GI3 rubber based on EPR.

**Earth Conductor:** Spiral of tinned copper.

**Center Bundle:** Control and pilot cores with copper/steel conductors capable of expansion and compression, EPR insulation, optional with fiber optics, covered with tinned copper wires semi conductive rubber sheath.

**Inner Sheath:** 2 layer design, semi conductive rubber + Rubber type 5GM5.

**Armour:** Spiral of steel wires, embedded in the outer sheath, fiberglas tape which prevents sheath exchanging.

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



### » Dimensions and Weight

#### 1.8/3kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm <sup>2</sup>	mm	mm	kg/km
3×50+3×(35+35/3)+2×(2×0.75ST)+2×0.75UEL	62.0	66.0	7210
3×70+3×(50+50/3)+2×(2×0.75ST)+2×0.75UEL	64.0	68.0	8200
3×95+3×(70+70/3)+2×(2×0.75ST)+2×0.75UEL	74.0	78.0	10300

#### 3.6/6kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm <sup>2</sup>	mm	mm	kg/km
3×35+3×(35+35/3)+2×(2×0.75ST)+2×0.75UEL	66.0	72.0	7600
3×50+3×(50+50/3)+2×(2×0.75ST)+2×0.75UEL	69.0	75.0	9200
3×70+3×(70+70/3)+2×(2×0.75ST)+2×0.75UEL	76.0	81.0	11150
3×95+3×(95+95/3)+2×(2×0.75ST)+2×0.75UEL	85.0	90.0	13300