



# Caledonian

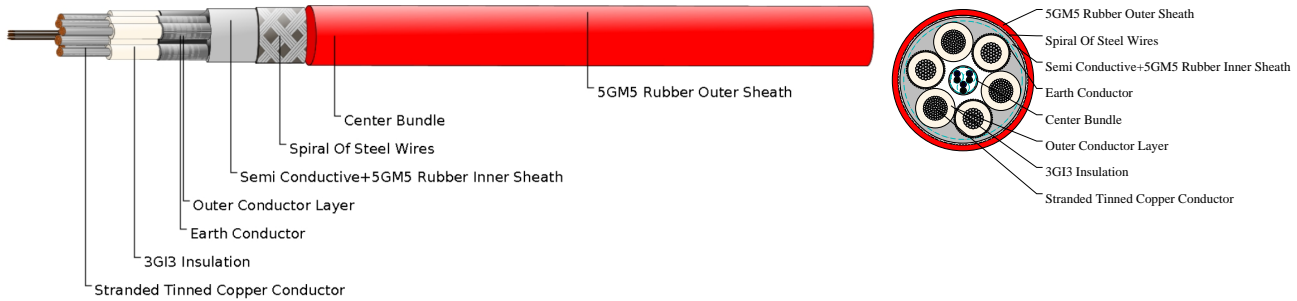
Mining Cables (VDE Standard)

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## Cables for Underground Mining

NTSCGECWOU Medium Voltage Coal Cutter Cable  $3 \times 70 + 3 \times (50 + 50/3) + 2 \times (2 \times 0.75ST) + 2 \times 0.75UEL$



## 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

## VOLTAGE RATING

1.8/3kV

## CABLE CONSTRUCTION

Conductors: Flexible stranded tinned copper conductor.

Insulation: Heat resistant 3GI3 rubber based on EPR.

Outer Conductor Layer: Easy strippable outer conductive layer.

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, fibreglas tape which prevents sheath exchanging.

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 <sup>2</sup>	mm	mm	kg/km
$3 \times 70 + 3 \times (50 + 50/3) + 2 \times (2 \times 0.75ST) + 2 \times 0.75UEL$	64	68	8200