



# Caledonian

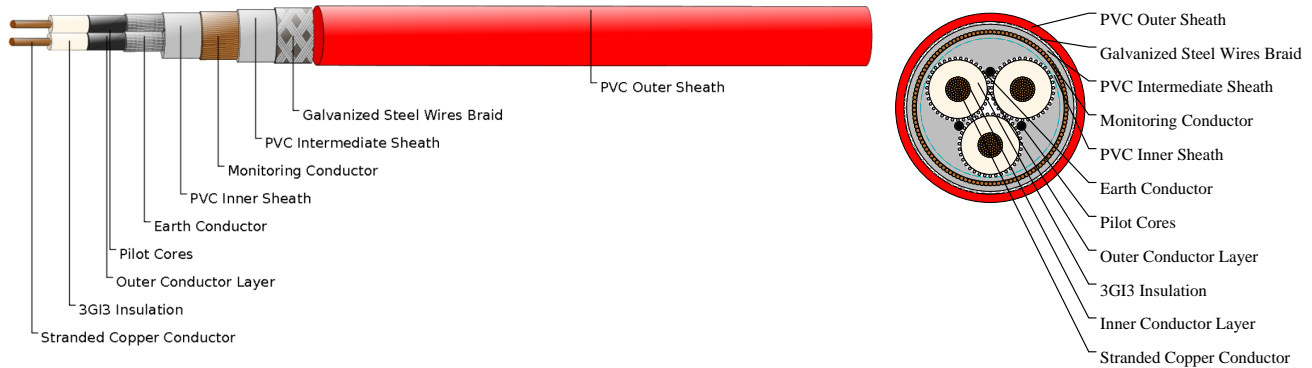
Mining Cables (VDE Standard)

www.caledonian-cables.com

marketing@caledonian-cables.com

## Cables for Underground Mining

N3GHSSYCY Medium Voltage Cable 3×50+3×25/3E+3×2.5ST+UEL



## APPLICATIONS

These cables are used for the connection of mobile operating equipment, in mines and underground excavations with hazardous environments, in stationary operation, e.g. high-voltage transformers in mining and tunnelling.

## STANDARDS

VDE 0250 Part 605

## VOLTAGE RATING

12/20kV

## CABLE CONSTRUCTION

Conductors: Flexible stranded copper conductor, class 5 according to DIN VDE 0295.

Insulation: EPR compound type 3GI3.

Electrical Field Control: Inner and outer semiconductive layer of semiconductive rubber.

Pilot Cores: Stranded copper conductor with EPR insulation.

Earth Conductor: Spiral of copper wires over the outer semi-conductive layer of the cores.

Inner Sheath: PVC compound type YM5.

Monitoring Conductor: Conductive tape serving and overall concentric Cu wire spinning.

Intermediate Sheath: PVC compound type YM5.

Armour: Braid of galvanized steel wires.

Outer Sheath: PVC compound type YM5.

## 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



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