



# Caledonian

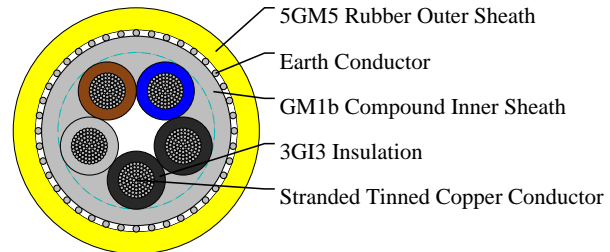
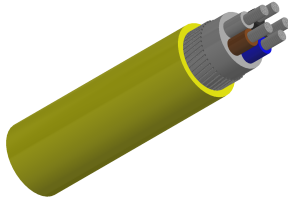
Tunnel Cables

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

## Tunnel Cable

(N)SSHöU 5x4/4 kon



## APPLICATIONS

For use in mines, quarries, industrial areas, construction sites agricultural operations and as trailing cable. The cables are also suitable for fixed application as power supply cable for underground mining and open-cast mining applications, for tunneling applications and similar applications.

## STANDARDS

Construction: DIN VDE 0250-812

General Requirements: DIN VDE 0250-1

Guide Use: DIN VDE 0298-3

Electrical Tests: DIN VDE 0472-501, 503, 508

Non-Electrical Tests: DIN VDE 0472-401, 402, 602, 303, 615

Flame Retardant: VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1

Under Fire Condition Tests: DIN VDE 0472-803, 804

Oil Resistant: HD/EN/IEC 60811-2-1, DIN VDE 0473-811-2-1

## VOLTAGE RATING

0.6/1kV

## CABLE CONSTRUCTION

Conductors: Electrolytic, stranded, tinned copper wire DIN VDE 0295 Class 5.

Insulation: All cores are insulated with 3GI3 compound (acc.to DIN VDE 0207 Part 20)

Lay Up: All cores are laid up in contact with each other and intersitial ground cores.

Inner Sheath: Special elastomeric compound GM1b (acc. to DIN VDE 02(17 Part 21).

Earth Conductor: Distributed as spiral of tinned copper wires located concentrically between the inner and outer sheaths (coding ...kon).

Outer Sheath: Heavy-duty elastomer outer sheath 5GM5(acc.to DIN VDE 0207 Part 21).

## PHYSICAL AND THERMAL PROPERTIES

Rated Voltage: 0.6/1 KV

Max. Permissible Operating Voltage AC: 0.7/1.2 KV

Max. Permissible Operating Voltage DC: 0.9/1.8 KV

AC Test Voltage: 3 KV



# Caledonian

Tunnel Cables

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

Min Bending Radius Current Carrying: Acc. to VDE 0298-3

Current Carrying Capacities: DIN VDE 0298-4

Working Temperature:

Fixed: -40°C - +80°C

Mobile: -25°C - +80°C

Max. Tensile Load of Cable: 15N/mm<sup>2</sup>

## 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
5×4/4KON	20	23	650