



# Caledonian

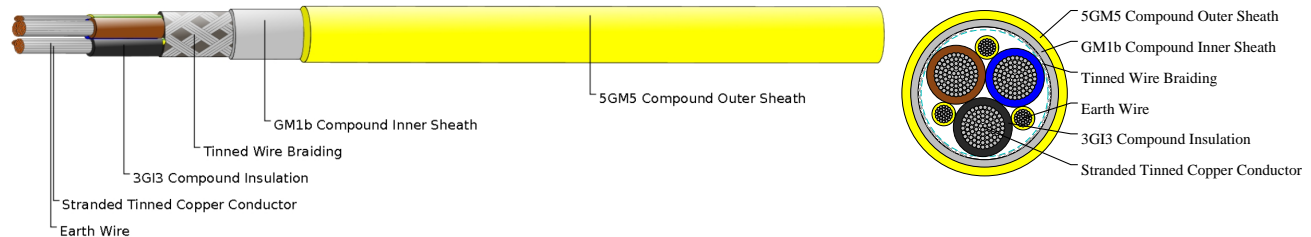
## Tunnel Cables

www.caledonian-cables.com

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### Tunnel Cable

(N)SSHCöU 3x120+3x70/3



### APPLICATIONS

The cables are suitable for fixed installation and flexible operation as motor power supply cables for frequency converter controlled drives in the mining and tunneling.

### STANDARDS

Construction: DIN VDE 0250-811

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.

Lay Up: Three power cores laid up with the protective earth conductors split into three in the outer interstices.

Screen: Concentric tinned copper wire braiding.

Inner Sheath: Special extruded elastomeric compound GMI1b.

Outer Sheath: Heavy-duty elastomer outer sheath 5GM5.

### 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

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

Current Carrying Capacities: DIN VDE 0298-4



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Working Temperature:

Fixed: -40°C - +80°C

Mobile: -25°C - +80°C

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

Max. Torsion: 25°/m

### 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
3x120+3x70/3	48.7	52.7	5800