



# Caledonian

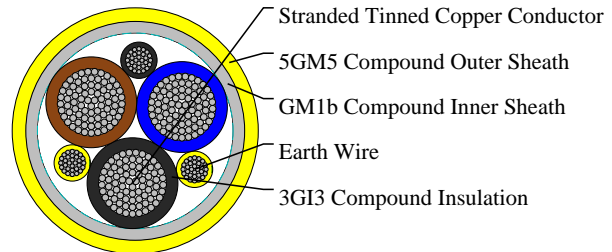
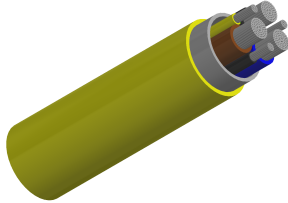
Tunnel Cables

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

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## Tunnel Cable

NTSWöU-J 3x120+3x70/3



## APPLICATIONS

Used in dry, damp and wet places where there are mechanical effects, in mines, in trolley systems, in cranes, in tunneling applications as trailing and cable power supply.

## STANDARDS

Construction: DIN VDE 0250-813

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 interstitial ground cores.

Inner Sheath: Special elastomeric compound CM1b (acc. to DIN VDE 0207 Teil 21).

Screen: Flexible- pliable armour in helix of tinned copper and galvanised steel wires.

Outer Sheath: Heavy-duty elastomer 5GM5 (acc. to DIN VDE 0207 Teil 21) Yellow or black.

## PHYSICAL AND THERMAL PROPERTIES

Rated Voltage: 0.6/1 KV

AC Test Voltage: 3 KV

Operating Temperature: Max. 90°C

Short - Circuit Temperature: Max. 250°C

Working Temperature:

Fixed: -40°C - +80°C



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Mobile: -25°C - +80°C

Min Bending Radius: VDE 0298-3 Tab.3

Current Carrying Capacities: VDE 0298-4

## 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
3×120+3×70/3	63.8	67.8	7430