



Caledonian

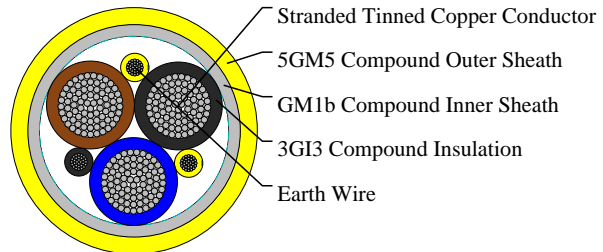
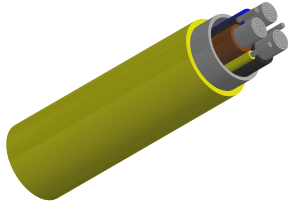
Tunnel Cables

www.caledonian-cables.com

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Tunnel Cable

NTSWöU-J 3x70+3x35/3



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 ²	mm	mm	kg/km
3×70+3×35/3	52.3	56.3	4690