



Caledonian

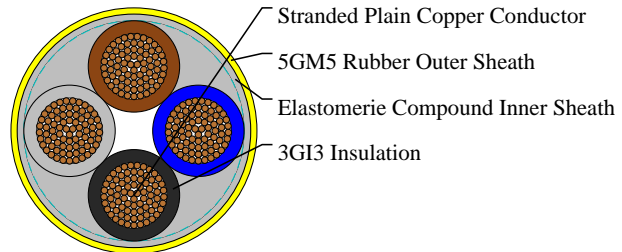
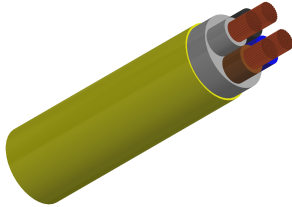
Tunnel Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

Tunnel Cable

(N)SHöU 4x70



APPLICATIONS

For use in open-cast mining and quarries and similar plants. Also suitable for laying alongside conveyor belts on material handling equipment. It can be used for tunneling sites 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 plain copper wire DIN VDE 0295 Class 5.

Insulation: All cores are insulated with 3GI3 compound.

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

Inner Sheath: Special extruded elastomeric compound.

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

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

Working Temperature:



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Fixed: -40°C - +80°C

Mobile: -25°C - +80°C

Max. Tensile Load of Cable: 15N/mm²

DIMENSION AND PARAMETERS

| No. of Cores × Cross-sectional Area | Overall Diameter (min.) | Overall Diameter (max.) | Approx. Weight |
|--|-------------------------|-------------------------|----------------|
| No. × mm ² | mm | mm | kg/km |
| 4 × 70 | 38.8 | 42.5 | 3930 |