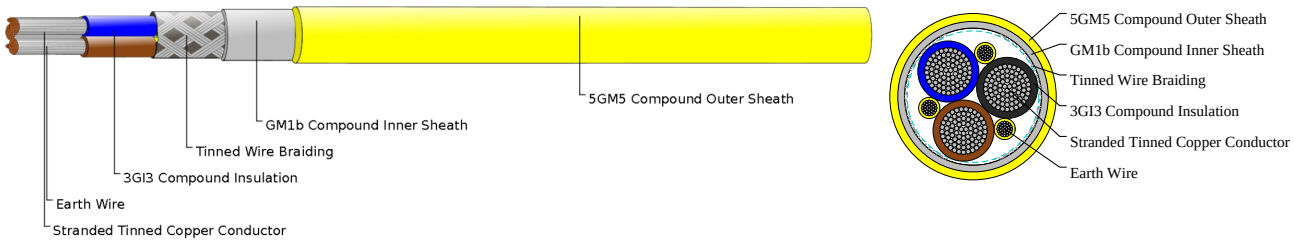
Caledonian

Tunnel Cables

www.caledonian-cables.com marketing@caledonian-cables.com

Tunnel Cable

(N)SSHCöU 3x150+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 VDE0473-811-2-1

VOLTAGE RATING

0.6/1kV

CABLE CONSTRUCTION

Conductors: Electrolytic,stranded,tinned copper wire DIN VDE 0295class 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

Working Temperature:
Fixed:-40°C- +80°C
Mobile:-25°C- +80°C
Max.Tensile Load of Cable:15N/mm²
Max.Torsion:25°/m

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Overall Diameter (min.)	Overall Diameter (max.)	Approx. Weight
No.×mm²	mm	mm	kg/km
3x150+3x70/3	55.7	59.7	7150