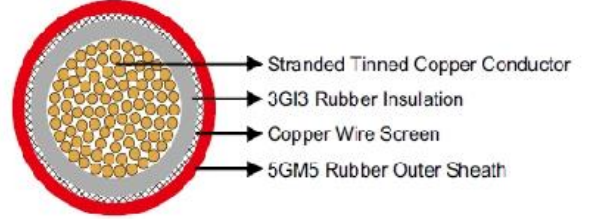


APPLICATION:

This cable has been specially designed for use inside a customized excavator, specifically for azimuth chain applications requiring continuous 360-degree rotational movement. It is engineered to withstand torsional stress, operate at speeds of up to 10 m/min, and perform reliably in bidirectional motion. Developed for extreme environmental conditions, the cable offers high resistance to cold, oil, and mechanical strain. Its construction ensures long-term durability and stable performance in highly dynamic applications.


CABLE STRUCTURE

- 1. Conductor** : Special Electrolytic, stranded, tinned copper wires class 6 in accordance with IEC 60228
- 2. Conductor Screen** : Inner semi-conductive rubber compound
- 3. Insulation**: EPR Compound, 3GI3 Type in accordance with VDE 0207 - Part 20
- 4. Insulation Screen** : Outer semi-conductive rubber compound
- 5. Screen** : Special tinned copper rope wires
- 6.Outer Sheath**: Cross-linked elastomeric compound, type 5GM5 in accordance with VDE 0207 - Part 21

STANDARDS & MAIN CHARACTERISTICS

- Construction** : VDE 0250-813
General Requirements : VDE 0250-1
Guide to Use : VDE 0298-3, VDE 0298-4
Conductor Resistance : VDE 0295, IEC 60228
Flame Retardant : IEC 60332-1-2, VDE 0482-332-1-2
Oil Resistance: VDE 0473-811-404, EN 60811-404

OPERATING CHARACTERISTICS

- Rated Voltage** : 12/20 kV
Test Voltage : 29 kV
Operating Temperature : -40°C to +90° C
Max. Conductor Temp. : 90° C
Conductor Short-Circuit Temp : 250° C (Max. 5 sec.)
Max. Permissible Tensile Force : 15 N/mm²
Min.Bending Radius : VDE 0298-3 Tab.3
Current Carrying Capacity : VDE 0298-4 Tab.15

VISUAL AND MARKING

Sheat Color : Red

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