

HSL-20-0.38-SS-F1-0

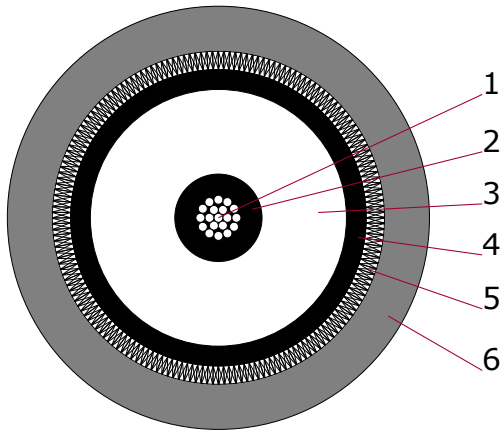
20kV_{DC} / 6.6kV_{AC} - AWG22 - SILICONE DIELECTRIC LOW PD

PRODUCT DESCRIPTION

Shielded 20kV_{DC} / 6.6kV_{AC} high voltage cable optimized for low partial discharge and high flexibility even at low ambient temperatures. Semiconductive layers around the conductor and the inner dielectric assure excellent PD behavior.

Remark: The semicon layers are firmly bonded to the dielectric.

CONSTRUCTION



| | | |
|----------------------|-------------------------------------|---------------------------------|
| 1. Conductor | AWG22 Cu/Ag (19xAWG34 s.p.c.) | 0.38mm ² Ø 0.78mm |
| 2. Semicon | Semiconductive Silicone | Ø 1.55mm ± 0.1mm |
| 3. Dielectric | Silicone | Ø 4.55mm ± 0.2mm |
| 4. Semicon | Semiconductive Silicone | Ø 5.25mm |
| 5. Braid | Cu/Sn (0.13mm t.p.c.) ≥85% Coverage | Ø 5.9mm ± 0.2mm |
| 6. Jacket | Special Silicone | Ø 7.5mm ± 0.3mm |

TECHNICAL DATA

| | |
|------------------------------------|--|
| Rated Voltage | 20kV _{DC} / 6.6kV _{AC} |
| Test Voltage | 50kV _{DC} / 1min (conductor / braid) 18kV _{AC} (Spark Test, core) 2.5kV _{AC} (Spark Test, jacket) |
| Conductor Resistance @ 20°C | ≤ 48.6Ω/km |
| Braid Resistance | typ. 10.2Ω/km |
| Impedance | typ. 46Ω |
| Capacitance | typ. 180pF/m |
| min. Bend Radius | 75mm (moving), 56mm (fixed) |
| Operating Temperature | -50°C - +180°C |
| RoHS Compliant | Yes |
| Weight | ca. 0.080kg/m |
| Cu-Weight | ca. 0.030kg/m |
| Ag-Weight | ca. 0.11kg/km |
| Color | black |
| Status | E (Example) |

