

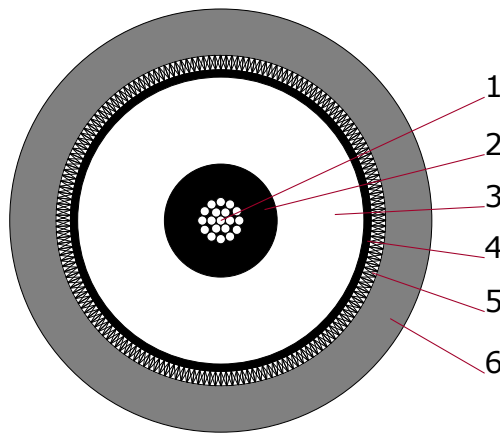
## HSL-20-0.38-SS-C-0

20kV<sub>DC</sub> / 6.6kV<sub>AC</sub> - AWG22 - SILICONE DIELECTRIC

### PRODUCT DESCRIPTION

Shielded 20kV<sub>DC</sub> / 6.6kV<sub>AC</sub> high voltage cable with silicone dielectric and silicone jacket. Shows excellent partial discharge behaviour due to semiconductive layers around the conductor and the inner dielectric. Ideal for applications at high temperatures up to 140°C.

### CONSTRUCTION



<b>1. Conductor</b>	AWG22 Cu/Sn (19xAWG34 t.p.c.)	0.38mm <sup>2</sup> Ø 0.78mm
<b>2. Semicon</b>	Semiconductive Silicone	Ø 2.0mm ± 0.1mm
<b>3. Dielectric</b>	Silicone	Ø 5.0mm ± 0.2mm
<b>4. Semicon</b>	Semiconductive Tape	Ø 5.2mm
<b>5. Braid</b>	Cu/Sn (0.13mm t.p.c.) ≥85% Coverage	Ø 5.7mm ± 0.2mm
<b>6. Jacket</b>	Silicone	Ø 7.3mm ± 0.2mm

### TECHNICAL DATA

<b>Rated Voltage</b>	20kV <sub>DC</sub> / 6.6kV <sub>AC</sub>
<b>Test Voltage</b>	50kV <sub>DC</sub> / 1min (conductor / braid) 18kV <sub>AC</sub> (Spark Test, core) 2.5kV <sub>AC</sub> (Spark Test, jacket)
<b>Conductor Resistance @ 20°C</b>	≤ 52.2Ω/km
<b>Braid Resistance</b>	≤ 10.2Ω/km
<b>Impedance</b>	typ. 60Ω
<b>Capacitance</b>	typ. 175pF/m
<b>min. Bend Radius</b>	73mm (moving), 55mm (fixed)
<b>Operating Temperature</b>	-50°C - +140°C
<b>RoHS Compliant</b>	Yes
<b>Weight</b>	ca. 0.071kg/m
<b>Cu-Weight</b>	ca. 0.023kg/m
<b>Color</b>	black
<b>Status</b>	P (Preferred)

