

## HSL-10S-0.5-A-2

10kV<sub>DC</sub> / 3kV<sub>AC</sub> - 0.5mm<sup>2</sup> - SILICONE DIELECTRIC

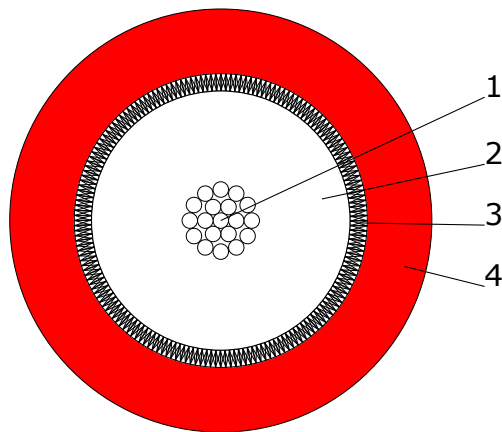
### PRODUCT DESCRIPTION

Very flexible 10kV<sub>DC</sub>/3kV<sub>AC</sub> shielded high voltage cable for high voltage applications at high temperatures up to 180°C. The cable maintains its flexibility over the whole temperature range.

It is fully compatible with RG58 dimensioned connectors like SHV, MHV and 10kV HC51 or 10kV Kings®.

The construction is based on a silver plated fine stranded conductor, Silicone dielectric, silver plated fine stranded shield braid and a Silicone jacket.

### CONSTRUCTION



<b>1. Conductor</b>	Cu/Ag (19xAWG33 s.p.c.)	0.5mm <sup>2</sup> Ø 0.88mm
<b>2. Dielectric</b>	Silicone	Ø 3mm
<b>3. Braid</b>	Cu/Ag (AWG37 s.p.c.) ≥90% Coverage	Ø 3.4mm
<b>4. Jacket</b>	Silicone	Ø 4.9mm ± 0.2mm

### TECHNICAL DATA

<b>Rated Voltage</b>	10kV <sub>DC</sub> / 3kV <sub>AC</sub>
<b>Test Voltage</b>	21kV <sub>DC</sub> / 1min (conductor / braid) 10kV <sub>AC</sub> (Spark Test, core) 2.5kV <sub>AC</sub> (Spark Test, jacket)
<b>Conductor Resistance @ 20°C</b>	≤ 40Ω/km
<b>Impedance</b>	typ. 43Ω
<b>Capacitance</b>	typ. 132pF/m
<b>min. Bend Radius</b>	74mm (moving), 37mm (fixed)
<b>Operating Temperature</b>	-50°C - +180°C
<b>Flame Retardance</b>	t.b.s.
<b>Low Smoke</b>	t.b.s.
<b>Halogen-free</b>	acc. DIN EN 60754-1
<b>RoHS Compliant</b>	Yes
<b>Weight</b>	ca. 0.038kg/m
<b>Cu-Weight</b>	ca. 0.017kg/m
<b>Color</b>	red
<b>Status</b>	P (Preferred)

