

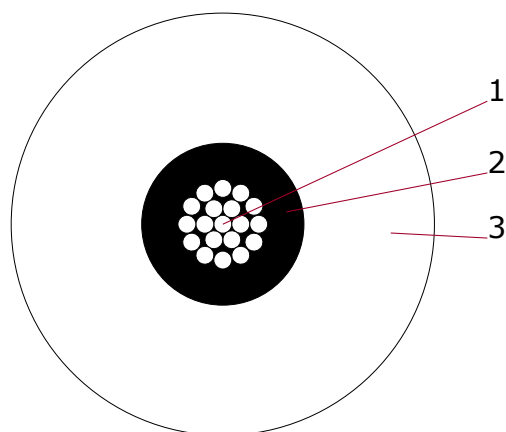
HSL-40-0.97-A-9

40kV_{DC} - AWG18 - SILICONE DIELECTRIC - INTERNAL USE

PRODUCT DESCRIPTION

Flexible 40kV_{DC} unshielded high voltage wire with silver plated stranded conductor, Silicone dielectric and semiconductive Silicone layer around the conductor.

CONSTRUCTION



1. Conductor	AWG18 Cu/Ag (4x0.25mm V4A + 19x0.25mm s.p.c.)	0.97mm ² Ø 1.24mm
2. Semicon	Semiconductive Silicone (black)	Ø 2.4mm
3. Dielectric	Silicone	Ø 6.2mm ± 0.2mm

TECHNICAL DATA

Rated Voltage	40kV _{DC}
Test Voltage	25 kV _{AC} (Spark Test) 80kV _{DC} / 1min; 64kV _{DC} / 24h (Type Test)
Conductor Resistance @ 20°C	≤ 24.2Ω/km
min. Bend Radius	100mm (moving), 50mm (fixed)
Operating Temperature	-65°C - +200°C
Flame Retardance	t.b.s.
Low Smoke	Yes
Halogen-free	Yes
RoHS Compliant	Yes
Weight	ca. 0.045kg/m
Cu-Weight	ca. 0.0071kg/m
Color	white
Status	P (Preferred)

The cable is suitable for short term AC operation at up to 15kV_{RMS} (50Hz) provided that proper means regarding partial discharge are chosen for the application.

The final operating voltage must be determined by the user.

