

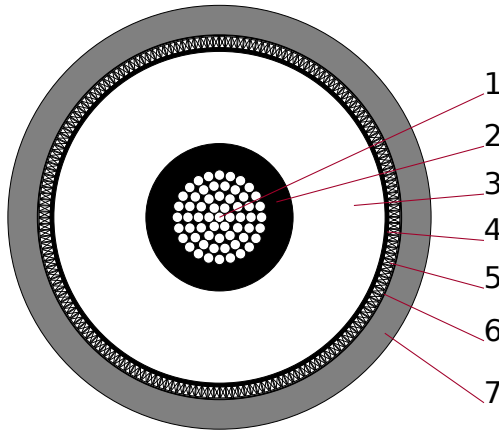
HSL-30-6-SU-A-x

30kV_{DC} / 10kV_{AC} - AWG10 - SILICONE DIELECTRIC

PRODUCT DESCRIPTION

30kV_{DC} / 10kV_{AC} shielded high voltage cable optimized for low partial discharge, robustness and high flexibility. Semiconductive layers around the conductor and the inner dielectric assure good PD behavior. Silicone dielectric and a robust TPE-U / Polyurethane jacket.

CONSTRUCTION



1. Conductor	AWG10 Cu/Sn (84x0.301mm t.p.c.)	6.0mm ² Ø 3.2mm
2. Semicon	Semiconductive Silicone	Ø 4.1mm
3. Dielectric	Silicone	Ø 9.1mm
4. Semicon	Semiconductive Tape	Ø 9.3mm
5. Braid	Cu/Sn (0.15mm t.p.c.) ≥85% Coverage	Ø 10.1mm
6. Tape	Nonwoven Separator Tape	Ø 10.2mm
7. Jacket	TPE-U	Ø 12.3mm ± 0.5mm

TECHNICAL DATA

Rated Voltage	30kV _{DC} / 10kV _{AC}
Test Voltage (Conductor – Braid) (Jacket)	50kV _{DC} / 1min 5kV _{AC} (Spark Test)
Conductor Resistance @ 20°C	≤ 3.4Ω/km
Braid Resistance	≤ 9.5Ω/km
Capacitance	typ. 217pF/m
min. Bend Radius	123mm (moving), 62mm (fixed)
Operating Temperature	-40°C - +90°C
RoHS Compliant	Yes
Weight	ca. 0.180kg/m
Cu-Weight	ca. 0.107kg/m
Status	S (Special)

This cable can be terminated with our HC7 connector series.

COLOR CODE (-X)

0 black	1 brown	2 red	3 orange	4 yellow	5 green
6 blue	7 violet	8 grey	9 white	10 natural	