

HSC-111-1X1SVA-2

111kV_{DC} – XLPE DIELECTRIC - HIGH VOLTAGE ELECTROSTATIC FILTER CABLE

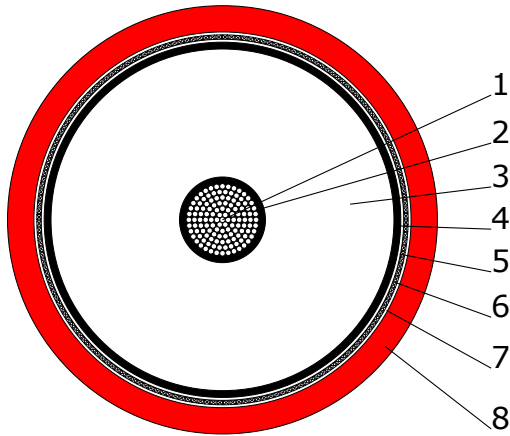
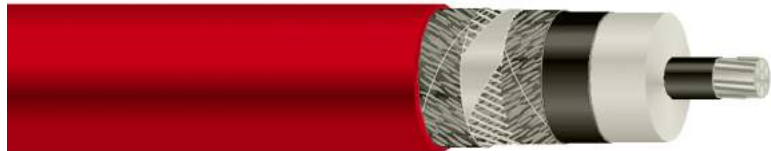
PRODUCT DESCRIPTION

Single core shielded high voltage power cable for electrostatic filter applications with open circuit voltage of up to 111kV_P.

Robust design with stranded aluminium conductor, semiconductive conductor screen, XLPE dielectric, semiconductive insulation screen, copper screen and PVC jacket.

The cable is suitable to be used indoors or outdoors as well as buried in earth or laid in water.

CONSTRUCTION



1. Conductor	Al, stranded	50mm ² Ø 8.2mm nom.
2. Semicon	Extruded Semicon	Ø 8.8mm nom.
3. Dielectric	XLPE	Ø 35.1mm ± 0.9mm
4. Semicon	Extruded Semicon	Ø 36.5mm nom.
5. Tape	Semiconductive Tape	
6. Braid	Cu Wires	25mm ²
7. Tape	Separator Tape	
8. Jacket	PVC	Ø 44mm nom.

TECHNICAL DATA

Rated Voltage	111kV _{DC} Peak
Test Voltage	111kV _{AC} / 15min
Capacitance (Conductor – Braid)	120pF/m
Conductor Resistance @ 20°C	≤ 0.641 Ω/km
max. Short Circuit Current	4.7kA / 1s (Conductor) 5.1kA / 1s (Screen)
max. Permissible Pulling Force	1.5kN
min. Bend Radius	700mm
max. Conductor Temperature	+90°C +250°C (during Short Circuit)
min. Ambient Temperature	-5°C (during Laying)
Weight	1.8kg/m
Al-Weight	145kg/km
Cu-Weight	283kg/km
Color	red
Status	P (Preferred)