

HSC-150-1E1SAB-2

150kV_{DC} / 60kV_{AC} - 10mm² - EPR DIELECTRIC - MEASUREMENT CABLE

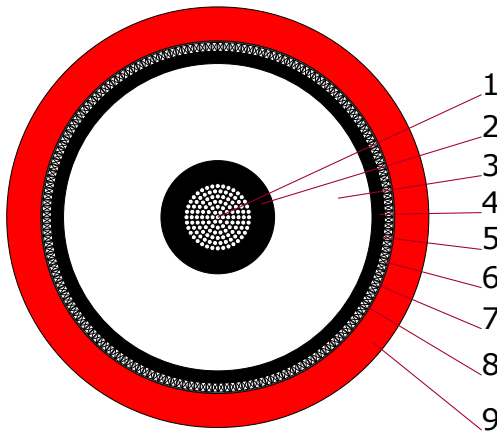
PRODUCT DESCRIPTION

Shielded high voltage cable optimized for low partial discharge, robustness and flexibility. Halogen free design with EPR dielectric and a robust flame retardant EVA jacket. Semiconductive layers around the center conductor and the dielectric assure excellent PD behavior.

This cable is intended and designed for short term measurement applications.

The following must be taken into account: insulation wall thickness and test voltage are not in line with common standards requirements. Special care and attention is necessary when using the cable.

CONSTRUCTION



1. Conductor	Cu/Sn (t.p.c.) (class 5 acc. DIN EN 60228)	10mm ² Ø 4.0mm
2. Semicon	Semiconductive EPR	Ø 7.0mm
3. Dielectric	EPR	Ø 19.0mm
4. Semicon	Semiconductive NBR Rubber	Ø 20.4mm
5. Tape	Semiconductive Tape	
6. Braid	Cu/Sn (t.p.c.)	Ø 21.6mm > 10mm ²
7. Tape	PET Tape	
8. Tape	Nonwoven Separator Tape	
9. Jacket	EVA EM8	Ø 26.0mm ± 1.5mm

TECHNICAL DATA

Rated Voltage	150kV _{DC} / 60kV _{AC}
Test Voltage (routine test)	190kV _{DC} / 5min 75kV _{AC} / 5min
Test Voltage (type test)	190kV _{DC} / 15min 75kV _{AC} / 15min
Insulation Resistance	> 20MΩ*km
Capacitance (Conductor - Braid)	typ. 170pF/m
Conductor Resistance @ 20°C	typ. 1.8Ω/km
Braid Resistance	typ. 1.8Ω/km
max. Permissible Pulling Force	15N/mm ²
min. Bend Radius	260mm (during installation or occasional movements in operation) 260mm (fixed installed operation)
Operating Temperature	-20°C - +50°C (moving) -40°C - +60°C (stationary)
Oil Resistance	according to DIN EN 60811-404
Flame Propagation, Single Cable	according to DIN EN 60332-1-2
Halogen-free	Yes
RoHS Compliant	Yes
Weight	ca. 0.860kg/m
Cu-Weight	ca. 0.260kg/m
Color	red
Status	S (Special)