

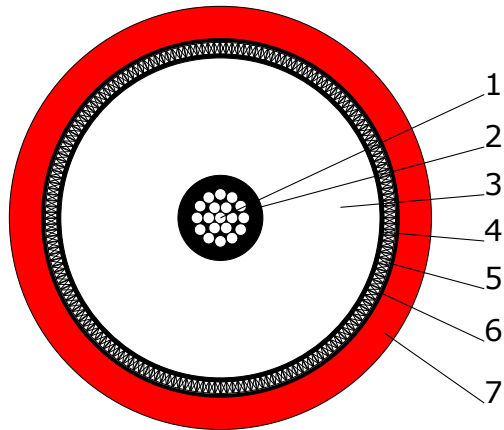
HSC-150-1PSUB-2

150kV_{DC} / 45kV_{AC} - AWG12 - LDHMW PE DIELECTRIC

PRODUCT DESCRIPTION

Shielded 150kV_{DC} / 45kV_{AC} high voltage cable with LDHMW PE dielectric and robust TPE-U jacket. Shows excellent partial discharge behaviour due to semiconductive layers around the conductor and the inner dielectric.

CONSTRUCTION



1. Conductor	AWG12 Cu/Sn (19xAWG25 t.p.c.)	3.1mm ² Ø 2.4mm
2. Semicon	Semiconductive PE (black)	Ø 3.3mm
3. Dielectric	LDHMW PE	Ø 12.4mm ± 0.3mm
4. Semicon	Semiconductive PTFE Tape	Ø 12.8mm
5. Braid	Cu/Sn (0.25mm t.p.c.) ≥85% Coverage	Ø 13.8mm
6. Tape	Nonwoven material	Ø 14.1mm
7. Jacket	TPE-U	Ø 16.6mm ± 0.6mm

TECHNICAL DATA

Rated Voltage	150kV _{DC} / 45kV _{AC}
Test Voltage	165kV _{DC} / 10min (conductor / braid) 2.5kV _{AC} (Spark Test, jacket)
Capacitance	typ. 95pF/m
min. Bend Radius	249mm (fixed)
Operating Temperature	-40°C - +60°C
RoHS Compliant	Yes
Weight	ca. 0.32kg/m
Color	red
Status	E (Example)

