

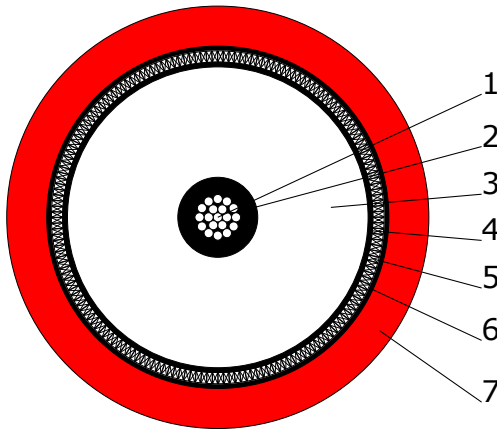
HSC-100-1PSUB-2

100kV_{DC} / 30kV_{AC} - AWG16 - LDHMW PE DIELECTRIC

PRODUCT DESCRIPTION

Shielded 100kV_{DC} / 30kV_{AC} high voltage cable with LDHMW PE dielectric and robust TPE-U jacket. Excellent partial discharge behaviour due to semiconductive layers around the conductor and the inner dielectric.

CONSTRUCTION



1. Conductor	AWG16 Cu/Sn (19xAWG29 t.p.c.)	1.2mm ² Ø 1.5mm
2. Semicon	Semiconductive PE (black)	Ø 2.5mm
3. Dielectric	LDHMW PE	Ø 9.4mm ± 0.3mm
4. Semicon	Semiconductive PTFE Tape	Ø 9.8mm
5. Braid	Cu/Sn (0.2mm t.p.c.) ≥85% Coverage	Ø 10.6mm
6. Tape	Nonwoven material	Ø 10.9mm
7. Jacket	TPE-U	Ø 13.4mm ± 0.4mm

TECHNICAL DATA

Rated Voltage	100kV _{DC} / 30kV _{AC}
Test Voltage	110kV _{DC} / 10min (conductor / braid) 2.5kV _{AC} (Spark Test, jacket)
Capacitance	typ. 100pF/m
min. Bend Radius	201mm (fixed)
Operating Temperature	-40°C - +60°C
RoHS Compliant	Yes
Weight	ca. 0.22kg/m
Color	red
Status	E (Example)

This cable can be terminated with our HC7 connector series.

