

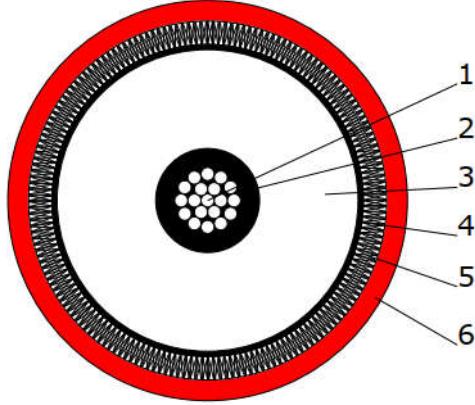
60kV_{DC} / 20kV_{AC} - AWG18 - LDPE DIELECTRIC HIGH VOLTAGE CABLE

PRODUCT DESCRIPTION

Shielded 60kV_{DC} / 20kV_{AC} high voltage cable with LDPE dielectric and robust PUR jacket. The jacket is resistant against oil, hydrolysis and microbes.

Good partial discharge behaviour due to semiconductive layers around the conductor and the inner dielectric.

CONSTRUCTION



1. Conductor	AWG18 Cu/Sn (19xAWG30 t.p.c.)	0.93mm ² Ø 1.25mm
2. Semicon	Semiconductive PE (black)	Ø 2mm ± 0.1mm
3. Dielectric	LDPE	Ø 5.9mm ± 0.15mm
4. Semicon	Semiconductive Tape	
5. Braid	Cu/Sn (0.15mm t.p.c.) 87% Coverage	Ø 6.6mm
6. Jacket	PUR	Ø 7.9mm ± 0.3mm

TECHNICAL DATA

Rated Voltage	60kV _{DC} / 20kV _{AC}
Test Voltage	110kV _{ac} / 60s (conductor / braid) 25kV _{ac} Spark Test (core) 2.5kV _{ac} (Spark Test, jacket)
Capacitance	typ. 121pF/m
min. Bend Radius	40mm (fixed)
Operating Temperature	-35°C - +70°C
Oil Resistance	Yes
Halogen-free	Yes
RoHS Compliant	Yes
Weight	ca. 0.077kg/m
Cu-Weight	ca. 0.037kg/m
Color	red
Status	P (Preferred)

This cable can be terminated with our HC7 connector series.

All values and dimensions without given tolerances are nominal.