

XLPE DATASHEET | Land

INNER SEMI-CONDUCTIVE LAYER

Water-swellable tapes and extruded semi-conducting screen layer, to have a smooth electrical interface with insulation.

INSULATION

Low peroxide XLPE.

OUTER SEMI-CONDUCTIVE LAYER

Water-swellable tapes and extruded semi-conducting screen layer, to have a smooth electrical interface with insulation.

OUTER SHEATH

An extruded layer of red or black colored high density polyethylene compound is provided over the metallic sheath. An extruded black semi conductive layer can be applied over the outer sheath for after installation tests. Flame retardant and low smoke versions are available.

CONDUCTOR

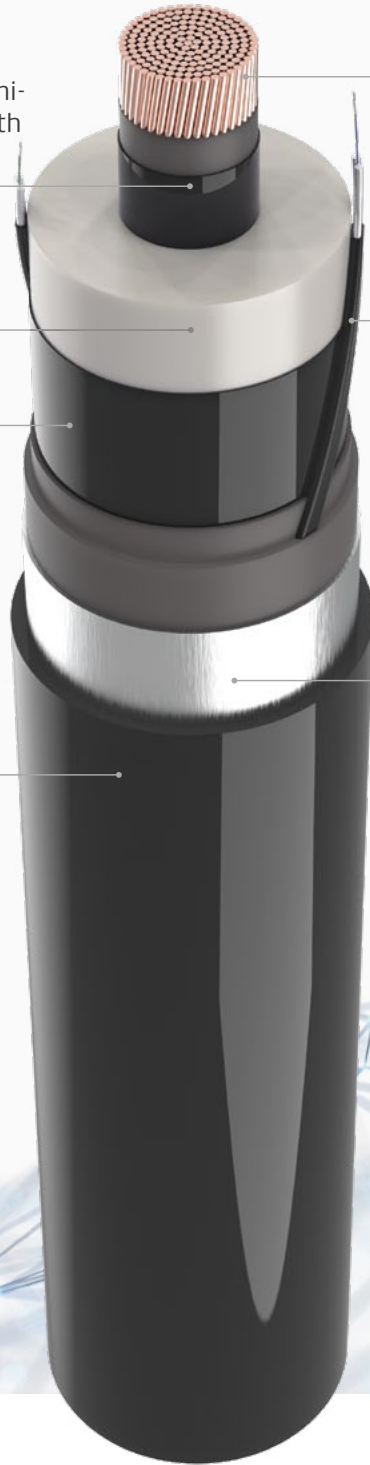
Bare copper wires filled with water swellable tapes, with nominal cross-section area up to 4000 mm². Aluminum is also available.

INTEGRATED FO CABLE



Up to 4 integrated fiber optic elements for monitoring purposes, able to accommodate both multi-mode and single-mode fibers.

METALLIC SHEATH




The smooth metallic sheath is constituted by a longitudinally welded aluminum tape (WAS) applied over the outer semiconductive layer and water barrier, to provide water tightness, mechanical protection and to carry fault currents.



Dimensional data for 3000 mm² copper

	Indicative diameter	140 mm
	Indicative cable weight	40 kg/m

Electrical data for 3000 mm² copper

	Ohmic resistance	0.0060 Ω/km
	Coaxial inductance	0.14 mH/km
	Capacitance	0.24 μF/km