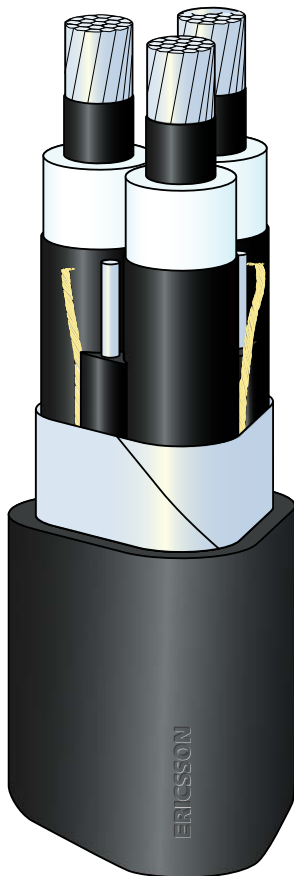


# AXAL-TT 12/20(24)kV PRO

## Product information



### Application

A three-core cable for permanent installation directly in the ground, duct or in water. Extra strong jacket, perfect for plowing. Installation friendly even at low temperatures. (-30 ° Celsius to +40 ° Celsius)

**Design:** SS4241416/HD 620 S2:2010 Part 10 Section M

### Conductor

Aluminium, stranded compacted round. Longitudinally watertight.

### Conductor shield

Extruded, semi conducting.

### Insulation

Dry cured XLPE, nominal thickness 5,5 mm.

### Insulation shield

Extruded semi conducting, easy strip.

### Screen

Screen made up of aluminum wires and aluminum foil.

The aluminum wires are embedded in a conductive, corrosion resistant filling material that has electrical contact with the aluminum screen and the insulation screen of each core providing a continuous screen around the whole cable.

### Longitudinal water tightness

By means of swelling powder and swelling yarn that prevents spread of water in the whole design.

### Cross sectional water tightness

Aluminum tape glued to the outer sheath.

### Outer sheath

Black PE composite with a hard outer layer and an impact absorbing inner layer, metermarked. The cable contains two Kevlar tear threads to simplify the removal of the outer sheath.

## Technical data

### AXAL-TT 12/20(24)kV PRO

Conductors x size (mm <sup>2</sup> )	Diameter nom. (mm)			Weight/100m (kg)	Min.bend. radius(mm)	
	Conductor	Insulation	Sheath		Installation	Permanent
3x25/25AL	5,9	17,4	44	142	528	352
3x50/25AL	7,8	19,5	48	182	576	384
3x95/25AL	11,2	22,7	55	256	660	440
3x150/35AL	14,0	25,5	60	320	720	480
3x240/35AL	18,0	29,5	70	439	840	560

Conductors x size (mm <sup>2</sup> )	Resistance (Ω/km)		Inductance (mH/km)	Capacitance (μF/km)	Earth fault current (A/km)
	Conductor	Screen			
3x25/25AL	1,20	1,2	0,42	0,13	1,64
3x50/25AL	0,641	1,2	0,37	0,16	2,02
3x95/25AL	0,320	1,2	0,34	0,19	2,50
3x150/35AL	0,206	0,8	0,32	0,23	2,94
3x240/35AL	0,125	0,8	0,29	0,27	3,51

## Ordering Information

### AXAL-TT 12/20(24)kV PRO

Conductors x Area (mm <sup>2</sup> )	length (m)	E number	Drum size	Total weight (kg)
3x25/25AL	500		K20	1050
3x50/25AL	500	E 0073465	K20	1250
3x95/25AL	500	E 0073475	K22	1690
3x150/35AL	500	E 0073485	K24	2050
3x240/35AL	500	E 0073495	K26	3095

## Information for jointing and end connections for AXAL-TT PRO.

AXAL-TT PRO is designed so that it is not necessary to connect the aluminum foil.

To achieve cross sectional water tightness the jointing kit shall be complemented with a foil sleeve. The jointing sleeve for the screen shall be 25 respective 35 mm<sup>2</sup> Al, A screw type jointing sleeve is advisable but it is also possible to use a press sleeve.

The cable termination is standard.

We reserve the right for alterations due to continual product development and/or changes in standards.