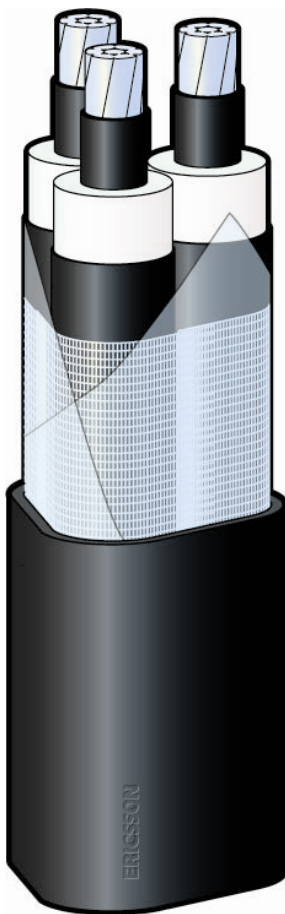


# AXCES 12/20(24)kV 3x95/25

## Product information



### Inner conductive layer

Extruded PE

### Insulation

XLPE, Triple extruded, dry cured vulcanized.

Nominal thickness: 4,5mm

Diameter over insulation approx: 20,4mm

### Outer conductive layer

Extruded PE, easy strippable

### Screen

Band of woven copper threads.

Nominal cross sectional area, 25mm<sup>2</sup>

### Tape

PETP-PE tape

### Sheath

Black LLD PE

Nominal thickness: 2,8mm

Outer diameter: 49mm

Outer circumscribed circle diameter: 53mm

Weight: 2,2kg/m

Density: 1,25kg/dm<sup>3</sup>

### Embossed

"ERICSSON NT E AXCES 12/20(24)kV  
3x95/25mm<sup>2</sup> (Year of manufacturing YYYY)"  
+ meter marked

### Application

Self suspending 3-core cable, for use as aerial cable on poles, and in the ground and water.

Design IEC 60502-2

### Conductor

Aluminum, circular stranded.

Nominal cross sectional area: 95mm<sup>2</sup>.

Diameter, nominal: 11,6mm.

## Technical data

AXCES 12/20(24)kV 3x95/25

### Electrical

Number of conductors x cross sectional area (mm <sup>2</sup> )	3x95/25		
Rated voltage U <sub>0</sub> /U/U <sub>M</sub>	12/20(24)kV		
Rated current according to IEC287		In air 25°C	In the ground 15°C
maximum conductor temperature	65°C	200A	200A
90°C		240A	240A
as self supporting suspending cable	65°C	200A	-
Conductor resistance max. at 20°C	0,32Ω/km		
Inductance	0,32mH/km		
Capacitance	0,25μF/km		
Earth fault current,			
at 7/12kV	1,6A/km		
at 14/24kV	3,3A/km		
Max. short circuit current (1 sec.) at 250 °C end conductor temp.	11kA		
Max. short circuit current, for the screen	5kA		

### Installation

Minimum bending radius	
at laying, approx.	560mm
at fixed position, approx.	350mm
Min. temp. at laying approx.	-20°C

### Data for calculation in pole-setting systems (see handbook)

Area	285mm <sup>2</sup>
Diameter	49mm
Q <sub>c</sub> , Cable weight	2,2kg/m
E <sub>ik</sub> , Elasticity-modulus initial, before ice load	47 000N/mm <sup>2</sup>
E <sub>p</sub> , Elasticity-modulus after permanent creeping, (after ice load)	61 000N/mm <sup>2</sup>
T <sub>p</sub> , Permanent elongation or creeping	0,8%
Coefficient of linear expansion per °C	23 x 10 <sup>-6</sup>
Definitude strain 0°C	35N/mm <sup>2</sup>
Maximum force on cable in calculations	28kN
Approximate fast break load for cable	>70kN
Approximate long term break load for cable	>51kN

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