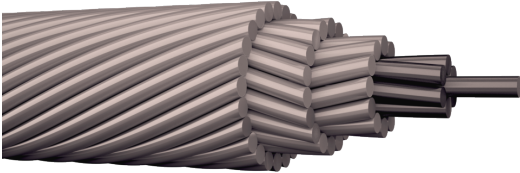


Bare conductors

ACSR



Application

Bare conductor for overhead power transmission.

Flame retardance

Flame retardant - Not applicable

Approval

CE

Standard

IEC 61089
EN 50182
SFS 5701

Overhead stranded conductors
Conductors for overhead lines
Overhead conductor wires and steel ropes.

Construction

Cable Shape
Conductors
Center conductor
Conductor Insulation
Marking of cores

Round.
Conductor consists of aluminium and galvanized steel wires.
Plienas.
No insulation.
No marking.

Temperature

Maximum operating Temperature

80°C

Features

Fire Propagation
UV resistance
REACH/SVHC declaration
RoHS declaration

Nothing material to burn.
Geras.
The cable does not contain any substances on the REACH/SVHC list.
All substances of the cable meet the requirements of RoHS directive.

Electrical

Max. short circuit temperature [°C]

200°C

Product Name	Standard delivery length [m]	Delivery Package	EAN/GTIN number	SAP Number
ACSR 34/6 SPARROW	2500	K9	4741532250254	20074938
ACSR 54/9 RAVEN	2200	K11	4741532250278	20074939
ACSR 85/14 PIGEON	2000	K12	4741532250285	20074940
ACSR 242/39 HAWK	2500	K20	4741532250322	20166519
ACSR 305/39 DUCK	2200	K26	4741532250339	20074941
ACSR 565/72 FINCH	1200	K22	4741532250353	20074942

Product Name	Number of wires (aluminium/steel)	Conductor dimension [mm]	Cross section [mm ²]	Cable weight [kg/km]	Max. permissible short circuit current for 1 sec. ** [kA]
ACSR 34/6 SPARROW	6/1	8,1	39,5	137	3,7
ACSR 54/9 RAVEN	6/1	10,1	62,4	216	5,8
ACSR 85/14 PIGEON	6/1	12,8	99,3	344	9,2
ACSR 242/39 HAWK	26/7	21,8	281	976	26,1
ACSR 305/39 DUCK	54/7	24,1	344	1151	32,5
ACSR 565/72 FINCH	54/19	32,9	637	2123	60,1

Product Name	Max DC Resistance at +20°C [Ω/km]	Min. tensile strength of the conductor [kN]	Initial modulus of elasticity of conductor [N/mm ²]	Final modulus of elasticity of conductor [N/mm ²]	Coefficient of linear expansion of conductor [1/k]	Current rating in air* [A]
ACSR 34/6 SPARROW	0,848	12,2	64000	78000	19,2x10 ⁻⁶	210
ACSR 54/9 RAVEN	0,536	17,11	64000	78000	19,2x10 ⁻⁶	280
ACSR 85/14 PIGEON	0,337	24,13	64000	78000	19,2x10 ⁻⁶	360
ACSR 242/39 HAWK	0,120	84,9	61000	75500	19,2x10 ⁻⁶	745
ACSR 305/39 DUCK	0,0949	96,8	50000	67000	19,3x10 ⁻⁶	845
ACSR 565/72 FINCH	0,0512	174	46000	63000	19,3x10 ⁻⁶	1250

*Air temperature 25°C ** Initial temperature of conductor before short circuit 40°C, final temperature of conductor after short circuit 200°C