

Bare conductors

A



Application

Bare conductor for overhead power transmission.

Approval

CE

Flame retardance

Flame retardant - Not applicable

Standard

GOST 889-80

Construction

Cable Shape
Conductors
Conductor Insulation
Marking of cores

Round.
Stranded aluminium conductor.
No insulation.
No marking.

Temperature

Maximum operating Temperature

80°C

Features

Fire Propagation
UV resistance
REACH/SVHC declaration
RoHS declaration

Nothing material to burn.
Good.
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
A 25	4000	K8	4741532250117	20074932
A 35	4000	K9	4741532250124	20074933
A 70	2500	K11	4741532250148	20074935
A 50	3500	K11	4741532250131	20074934

Product Name	Diameter over wire [mm]	Cross section mm ²	Weight [kg/km]	Number of wires	Min. tensile strength of the conductor [kN]
A 25	2,13	24,9	68	7	4,50
A 35	2,50	34,3	94	7	5,91
A 50	3,00	49,5	135	7	8,19
A 70	3,55	69,3	189	7	11,28

Product Name	Initial modulus of elasticity of conductor [N/mm ²]	Final modulus of elasticity of conductor [N/mm ²]	Coefficient of linear expansion expansion of messenger [N/mm ²]	Max DC Resistance at +20°C [Ω/km]	Current rating in air, [A]	Max. permissible short circuit current for 1 sec., [kA]
A 25	41000	60000	23x10 ⁻⁶	11,498	136	2,5
A 35	41000	60000	23x10 ⁻⁶	0,8347	170	3,4
A 50	41000	60000	23x10 ⁻⁶	0,5784	215	5,0
A 70	41000	60000	23x10 ⁻⁶	0,4131	265	7,0