

CCSX W

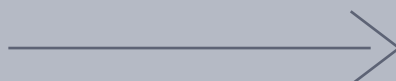
Covered Conductors 20(24) and 35(42) kV



Conductor, AAAC AL7 W
Extruded, longitudinal waterblocking layer
Extruded, inner semiconductive layer
Insulation of XLPE
Outer layer of UV-resistant XLPE

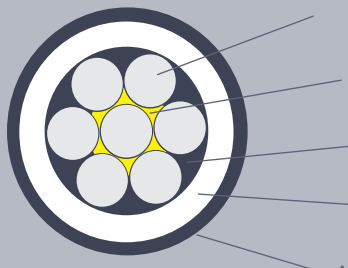
Made in Russia jointly with the company LLC "Holding Cable Alliance"

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Wire construction



Conductor, AlMgSi

Extruded EVA, longitudinal water blocking layer

Extruded PE, inner semi-conductive layer

Insulation of XLPE, without carbon black

UV-resistant outer sheath, carbon black filled XLPE

Technical specifications

Full Covered conductor 35 kV

WIRE CHARACTERISTICS	CCSX 1x35 W 35kV	CCSX 1x50 W 35kV	CCSX 1x70 W 35kV	CCSX 1x95 W 35kV	CCSX 1x120 W 35kV	CCSX 1x150 W 35kV	CCSX 1x185 W 35kV	CCSX 1x240 W 35kV
Crosssection, mm ²	35	50	70	95	120	150	185	240
Rated voltage, kV	40,5	40,5	40,5	40,5	40,5	40,5	40,5	40,5
DC-resistance at 20°C, Ohm/km	0,986	0,720	0,493	0,363	0,288	0,236	0,188	0,145
Number of conductor wires	7	7	7	7	19	19	19	19
Diameter over covering, mm	15,9	17,3	20,59	20,8	23,95	25,7	27,9	30,45
Tensile strength (295 N/mm ²), kN	10,3	14,2	20,6	27,9	35,2	43,4	53,5	69,5
Elastic modulus, N/mm ²	6,2*10 ³	6,2*10 ³	6,2*10 ³	6,2*10 ³	6,2*10 ³	6,2*10 ³	6,2*10 ³	6,2*10 ³
Linear expansion coefficient, 1/°C	23*10 ⁻⁶	23*10 ⁻⁶	23*10 ⁻⁶	23*10 ⁻⁶	23*10 ⁻⁶	23*10 ⁻⁶	23*10 ⁻⁶	23*10 ⁻⁶
Inner semi conductive layer, thickness, mm	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3
Inner XLPE covering, thickness, mm	2,65	2,65	2,65	2,65	2,65	2,65	2,65	2,65
Outer UV-resist. XLPE-covering, thickness, mm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Max load 20 °C, A	220	270	340	400	460	520	600	670
Weigth, kg/km	254	317	431	492	638	757	916	1127

Full Covered conductor 6-20 kV

WIRE CHARACTERISTICS	CCSX 1x35 W 20kV	CCSX 1x50 W 20kV	CCSX 1x70 W 20kV	CCSX 1x95 W 20kV	CCSX 1x120 W 20kV	CCSX 1x150 W 20kV	CCSX 1x185 W 20kV	CCSX 1x240 W 20kV
Crosssection, mm ²	35	50	70	95	120	150	185	240
Rated voltage, kV	24	24	24	24	24	24	24	24
DC-resistance at 20°C, Ohm/km	0,986	0,720	0,493	0,363	0,288	0,236	0,188	0,145
Number of conductor wires	7	7	7	7	19	19	19	19
Diameter over covering, mm	13,76	15,47	17,09	18,65	20,45	21,4	23,2	27,75
Tensile strength (295 N/mm ²), kN	10,3	14,2	20,6	27,9	35,2	43,4	53,5	69,5
Elastic modulus, N/mm ²	6,2*10 ³	6,2*10 ³	6,2*10 ³	6,2*10 ³	6,2*10 ³	6,2*10 ³	6,2*10 ³	6,2*10 ³
Linear expansion coefficient, 1/°C	23*10 ⁻⁶	23*10 ⁻⁶	23*10 ⁻⁶	23*10 ⁻⁶	23*10 ⁻⁶	23*10 ⁻⁶	23*10 ⁻⁶	23*10 ⁻⁶
Inner semi conductive layer, thickness, mm	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3
Inner XLPE covering, thickness, mm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Outer UV-resist. XLPE-covering, thickness, mm	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Max load 20 °C, A	200	245	310	370	430	485	560	600
Weigth, kg/km	209	262	337	422	534	585	698	1009

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