

LV Aerial Bundled Conductor (ABC) Cables

600/1000V ABC –Aerial Bundled Cables to HD 626 S1(AL/XLPE)

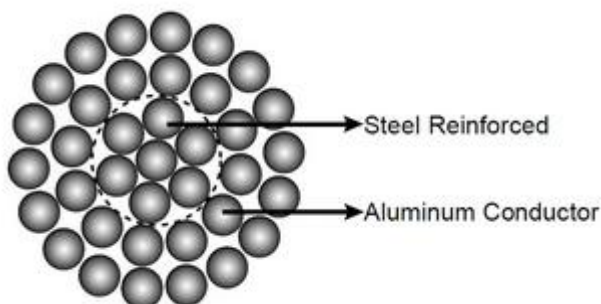
Application

The aerial bundled cables designed for fixed installation as overhead power lines up to 1000 V incl.

Standard

HD 626 S1

Cable Construction



Construction

Conductor	Aluminium conductor, round stranded compressed (RM)
Insulation	XLPE

Technical Data

Rated voltage	kV	0.6/1
Test voltage	V _{eff} kV/Hz	4/50
Laying temperature	°C	min. -20
Operating temperature	°C	-30 bis +80
Conductor temperature	°C	max. +80
Short-circuit temperature	°C/s	max. +130 /5
Bending radius (min.)	mm	18 × Ø of cable

Dimensions

Dimensions

number of cores x nominal cross section	outer diameter	total weight	max. conductor- resistance	min. breaking load of conductor strand	current rating in the air 1)
mm ²	ca. mm	ca. kg/km	Ohm/km	kN	A
2x 16 RM	15.6	147	1.910	2.5	72
2x 25 RM	18.0	208	1.200	4.0	107
2x 35 RM	20.0	277	0.868	5.5	132
2x 50 RM	23.5	361	0.641	8.0	165

4x 16 RM	18.8	286	1.910	2.5	72
4x 25 RM	21.2	430	1.200	4.0	107
4x 35 RM	24.1	553	0.868	5.5	132
4x 50 RM	27.8	746	0.641	8.0	165
4x 70 RM	31.8	1009	0.443	10.7	205
4x 95 RM	37.8	1332	0.320	13.7	240
4x 120 RM	54.4	1632	0.253	18.6	290
4x 35 + 1x 35 RM	30.0	694	0.868/0.868	5.5/5.5	132/132
4x 50 + 1x 25 RM	31.9	814	0.641/1.200	8.0/4.0	165/107
4x 50 + 1x 35 RM	31.9	845	0.641/0.868	8.5/5.5	165/132
4x 70 + 1x 25 RM	36.0	1105	0.443/1.200	10.7/4.0	205/107
4x 70 + 2x 25 RM	40.0	1217	0.443/1.200	10.7/4.0	205/107
4x 70 + 1x 35 RM	36.2	1150	0.443/0.868	10.7/5.5	205/132
4x 70 + 2x 35 RM	40.1	1289	0.443/0.868	10.7/5.5	205/132
4x 95 + 1x 25 RM	41.8	1438	0.320/1.200	13.7/4.0	240/107
4x 95 + 1x 35 RM	41.8	1467	0.320/0.868	13.7/5.5	240/132
4x 95 + 2x 25 RM	42.0	1544	0.320/1.200	13.7/4.0	240/107

other cross-sections on request