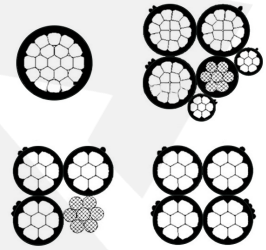


## AERIAL BUNDLED CABLES (ABC) Acc. to HD 626 S1



### TECHNICAL DATA

- Max Operating Temperature: 90°C
- Max. short Circuit Temperature: 250°C (max. 5 sec.)
- Rated voltage: 0.6/1kV
- Cable Code: AER

### CONSTRUCTION

- Solid or Stranded Aluminium Conductor
- PE or XLPE Insulation
- Messenger wire

### APPLICATION

It is preferred to use of AER cables instead of uninsulated conductors at low voltage networks. AER cables are especially used at areas where the cost of underground networks is expensive and also for electrification of rural areas like villages.



NUMBER AND REMEMBRANCE SECTIONAL AREA OF THE CONDUCTOR	NO OF WIRES	NOMINAL DIAMETER OF CONDUCTOR	CONDUCTOR DC RESISTANCE at 20°C	CURRENT CARRYING CAPACITY	NUMBER & CROSS SECTION	AVERAGE DIAMETER WIRE HANGERS	TENSILE STRENGHT	TWISTED DIAMETER	NET WEIGHT (APPROX)
mm <sup>2</sup>	Adet	mm	Ω/km	A	mm <sup>2</sup>	mm	kN	mm	kg/km
2 x 16	3 x 16	4 x 16	5 x 16	6 x 16	7 x 16	8 x 16	9 x 16	10 x 16	11 x 16
2 x 25	7	5.9	1.2	122	-	-	-	18,5	180
2 x 35	7	6.9	0.868	129	-	-	-	2	240
2 x 50	7	8.1	0.641	158	-	-	-	24	320
2 x 70	14	9.7	0.443	203	-	-	-	26	450
3 x 16	7	4.7	1.91	83	-	-	-	16	190
3 x 25	7	5.9	1.2	111	-	-	-	20	280
3 x 35	7	6.9	0.868	131	-	-	-	22	360
3 x 50	7	8.1	0.641	168	-	-	-	24	490
3 x 70	14	9.7	0.443	213	-	-	-	28	670
3 x 95	19	11.4	0.32	258	-	-	-	32	940
3 x 120	19	12928	0.253	300	-	-	-	36	1150
3 x 150	14	14241	0.206	344	-	-	-	38	1390
4 x 16	7	4.7	1.91	83	-	-	-	18	260
4 x 25	7	5.9	1.2	111	-	-	-	22	370
4 x 35	7	6.9	0.868	131	-	-	-	26	480
4 x 50	7	8.1	0.641	168	-	-	-	28	650
4 x 70	14	9.7	0.443	213	-	-	-	32	900
4 x 95	19	11.4	0.32	258	-	-	-	36	1250
4 x 120	19	12928	0.253	300	-	-	-	40	1530
4 x 150	30	14241	0.206	344	-	-	-	44	1850
3 x 16 + 10	7	4.7	1.91	103	-	6.6	-	26	240
3 x 25 + 16	7	5.9	1.2	132	-	7.8	-	28	350
3 x 35 + 16	7	6.9	0.868	139	-	7.8	-	31	430
3 x 35 + 25	7	6.9	0.868	139	-	8.6	7.4	31	460
3 x 50 + 25	7	8.1	0.641	168	-	8.6	7.4	34	580
3 x 70 + 25	14	9.7	0.443	213	-	8.6	7.4	38	770
3 x 70 + 35	14	9.7	0.443	213	-	9.6	10.3	38	800
3 x 95 + 50	19	11.4	0.32	258	-	11.3	14.2	42	1110
3 x 120 + 70	19	12928	0.253	300	-	12.9	20.6	46	1380
3 x 150 + 70	30	14241	0.206	344	-	12.9	20.6	48	1630
3 x 25 + 16 + 16	7	5.9	1.2	132	60	7.8	-	28	410
3 x 35 + 16 + 16	7	6.9	0.868	139	60	7.8	-	31	490
3 x 35 + 25 + 16	7	6.9	0.868	139	60	8.6	7.4	32	520
3 x 50 + 25 + 16	7	8.1	0.641	168	60	8.6	7.4	34	650
3 x 50 + 35 + 16	7	8.1	0.641	168	60	9.6	10.3	35	680
3 x 70 + 25 + 16	14	9.7	0.443	213	60	8.6	7.4	36	830
3 x 70 + 35 + 16	14	9.7	0.443	213	60	9.6	10.3	37	860
3 x 70 + 50 + 16	14	9.7	0.443	213	60	11.3	14.2	40	910
3 x 95 + 35 + 16	19	11.4	0.32	258	60	9.6	10.3	42	1130
3 x 95 + 50 + 16	19	11.4	0.32	258	60	11.3	14.2	44	1170
3 x 95 + 70 + 16	19	11.4	0.32	258	60	12.9	20.6	46	1240
3 x 120 + 70 + 16	19	12928	0.253	300	60	12.9	20.6	47	1440
3 x 150 + 70 + 16	30	14241	0.206	344	60	12.9	20.6	49	1690