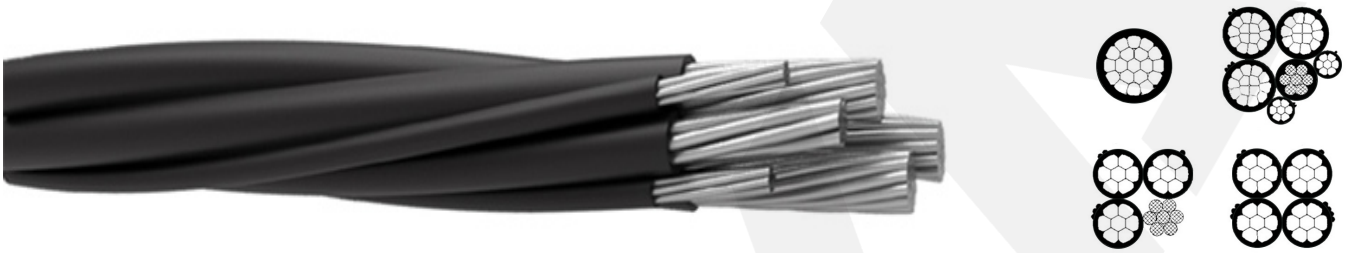
DEMKA
single source for all electrical needs

AERIAL BUNDLED CABLES (ABC)
Acc. to BS 7080



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.

PHASE CONDUCTOR							MESSENGER WIRE						COMPLETED CABLE		
NOMINAL CROSS-SECTIONAL AREA	NUMBER OF CORES	MINIMUM NUMBER OF WIRES	NOMINAL INSULATION THICKNESS	DIAMETER OF INSULATED CORE	MAX. D.C. RESISTANCE AT 20°C	CURRENT RATING AT STILL WIND A.T. : 30°C C.T. : 75°C	NOMINAL CROSS-SECTIONAL AREA	MINIMUM NUMBER OF WIRES	NOMINAL INSULATION THICKNESS	DIAMETER OF INSULATED CORE	MAX. D.C. RESISTANCE AT 20°C	MIN. BREAKING LOAD	APPROX. OVERALL DIAMETER	APPROX WEIGHT OF CABLE	PACKING LENGHT
mm^2			mm	mm	Ω/km	A	mm^2		mm	mm	Ω/km	Kn	mm	kg/km	m/drum
25	1	6	1.3	8.8	1.20	84	25	6	1.3	8.8	1.20	8.2	17.6	210	1,000
35	1	6	1.3	9.8	0.868	04	35	6	1.3	9.8	0.868	11.2	19.6	270	1,000
50	1	6	1.5	11.5	0.64	129	50	6	1.5	11.5	0.64	15.2	23.0	360	1,000
70	1	12	1.5	13.2	0.443	167	70	12	1.5	13.2	0.443	22.0	26.4	500	1,000
95	1	15	1.7	15.3	0.320	209	95	15	1.7	15.3	0.320	30.6	30.6	680	500
25	3	6	1.3	8.8	1.20	84	25	6	1.3	8.8	1.20	6.4	21.2	4 0	1,000
35	3	6	1.3	9.8	0.868	04	35	6	1.3	9.8	0.868	22.4	23.7	550	1,000
50	3	6	1.5	11.5	0.64	129	50	6	1.5	11.5	0.64	30.4	27.8	730	1,000
70	3	12	1.5	13.2	0.443	167	70	12	1.5	13.2	0.443	44.0	31.9	1000	1,000
95	3	15	1.7	15.3	0.320	209	95	15	1.7	15.3	0.320	61.2	36.9	1370	500
120	3	15	1.7	6.8	0.253	283	120	15	1.7	6.8	0.253	77.6	40.6	1690	500

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