

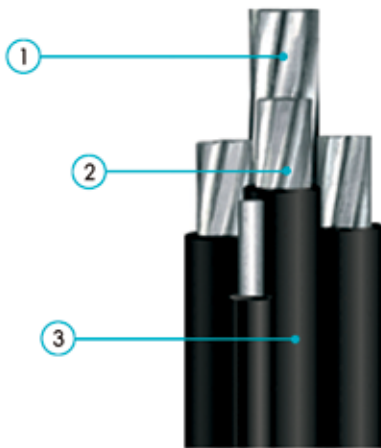


ABC CABLES



ABC CABLES

No of Conductors and Nominal Crosssectional Area	INSULATED CONDUCTORS							Messenger			Cable	
	Distribution Line					Public Lighting		Mean Diameter	Breaking Load	Max. Resistance at 20 °C	Stranded Diameter	Unit Weight
	No of Wire & Section	No of Wires	Diameter of Conductor	Max. Resistance at 20 °C	Current Carrying Capacity	No And Sectional Area	Current Carrying Capacity					
mm ²	mm ²	Adet	mm	ohm/km	A	mm ²	A	mm	kN	ohm/km	mm	kg/km
2x16	2x16	7	4.6	1.91	93	-	-	-	-	-	15	132
2x25	2x25	7	5.9	1.20	122	-	-	-	-	-	18.5	200
2x35	2x35	7	6.9	0.868	129	-	-	-	-	-	22	280
2x50	2x50	7	8.1	0.641	158	-	-	-	-	-	24	370
4x16	4x16	7	4.6	1.91	83	-	-	-	-	-	18	265
4x25	4x25	7	5.9	1.20	111	-	-	-	-	-	22	400
4x35	4x35	7	6.9	0.868	131	-	-	-	-	-	26	550
3x25+54.6	3x25	7	5.9	1.20	112	-	-	9.6	16	0.63	30	470
3x25+54.6+1x16	3x25	7	5.9	1.20	112	1x16	60	9.6	16	0.63	30	570
3x25+54.6+2x16	3x25	7	5.9	1.20	112	2x16	-	9.6	16	0.63	30	640
3x35+54.6	3x35	7	6.9	0.868	138	-	-	9.6	16	0.63	33	580
3x35+54.6+1x16	3x35t	7	6.9	0.868	138	1x16	60	9.6	16	0.63	33	690
3x35+54.6+2x16	3x35	7	6.9	0.868	138	2x16	-	9.6	16	0.63	33	750
3x50+54.6	3x50	7	8.1	0.641	168	-	-	9.6	16	0.63	36	720
3x50+54.6+1x16	3x50	7	8.1	0.641	168	1x16	60	9.6	16	0.63	36	820
3x50+54.6+2x16	3x50	7	8.1	0.641	168	2x16	-	9.6	16	0.63	36	890
3x70+54.6	3x70	12	9.7	0.443	213	-	-	9.6	16	0.63	38	930
3x70+54.6+1x16	3x70	12	9.7	0.443	213	1x16	60	9.6	16	0.63	38	1030
3x70+54.6+2x16	3x70	12	9.7	0.443	213	2x16	-	9.6	16	0.63	38	1100
3x70+54.6+1x25	3x70	12	9.7	0.443	213	1x25	-	9.6	16	0.63	40	1070
3x70+54.6+2x25	3x70	12	9.7	0.443	213	2x25	-	9.6	16	0.63	40	1170
3x70+70	3x70	12	9.7	0.443	213	-	-	10.2	20.6	0.50	41	970
3x70+70+1x16	3x70	12	9.7	0.443	213	1x16	60	10.2	20.6	0.50	41	1080
3x70+70+2x16	3x70	12	9.7	0.443	213	2x16	-	10.2	20.6	0.50	41	1150
3x95+70	3x95	19	11.5	0.320	258	-	-	10.2	20.6	0.50	44	1200
3x95+70+1x16	3x95	19	11.5	0.320	258	1x16	60	10.2	20.6	0.50	44	1300
3x95+70+2x16	3x95	19	11.5	0.320	258	2x16	-	10.2	20.6	0.50	44	1380
3x120+70	3x120	19	12.8	0.253	300	-	-	10.2	20.6	0.50	46	1430
3x120+70+1x16	3x120	19	12.8	0.253	300	1x16	60	10.2	20.6	0.50	46	1540
3x120+70+2x16	3x120	19	12.8	0.253	300	2x16	-	10.2	20.6	0.50	46	1600
3x150+70	3x150	19	14.5	0.206	344	-	-	10.2	20.6	0.50	48	1680
3x150+70+1x16	3x150	19	14.5	0.206	344	1x16	60	10.2	20.6	0.50	48	1780
3x150+70+2x16	3x150	19	14.5	0.206	344	2x16	-	10.2	20.6	0.50	48	1850
3x120+95	3x120	19	12.8	0.253	300	-	-	12.9	27.9	0.343	47	1500
3x120+95+1x16	3x120	19	12.8	0.253	300	1x16	60	12.9	27.9	0.343	47	1620
3x120+95+2x16	3x120	19	12.8	0.253	300	2x16	-	12.9	27.9	0.343	47	1680
3x150+95	3x150	19	14.5	0.206	344	-	-	12.9	27.9	0.343	49	1740
3x150+95+1x16	3x150	19	14.5	0.206	344	1x16	60	12.9	27.9	0.343	49	1880
3x150+95+2x16	3x150	19	14.5	0.206	344	2x16	-	12.9	27.9	0.343	49	1940



Application: Overhead electrical distribution systems of rated voltage 0.6/1 kV

STANDARDS

International IEC 540, IEC 548, IEC 60104, IEC 60889, Customer Specifications

1. Conductor Material: Primary Aluminium
2. Messenger: Aluminium Alloy (Almelec)
3. Insulation HDPE or XLPE

Code Number and Cross Sectional Area	Insulated Conductors						
	Distribution Line					Public Lighting	
	Number and sectional Area	No. of Wires	Nominal Diameter of Conductor	Max. Resistance at 20 °C	Current Carrying Capacity	Number and sectional Area	Current Carrying Capacity
mm ²	mm ²	Pcs	mm	Ohm/km	A	mm ²	A
3x50+25+1x16	3x50	7	8,40	0,641	168	1x16	60
3x50+35+1x16	3x50	7	8,40	0,641	168	1x16	60
3x50+50+1x16	3x50	7	8,40	0,641	168	1x16	60
3x70+35+1x16	3x70	7	9,70	0,443	213	1x16	60
3x70+50+1x16	3x70	7	9,70	0,443	213	1x16	60
3x95+50+1x16	3x95	19	11,50	0,320	258	1x16	60
3x95+70+1x16	3x95	19	11,50	0,320	258	1x16	60
3x120+70+1x16	3x120	19	12,80	0,253	300	1x16	60

Code Number and Cross Sectional Area	Messenger			Cable	
	Nominal Diameter of Messenger	Rated Strength	Max. Resistance at 20 °C	Stranded Diameter (max)	Total Unit Weight Approx.
mm ²	mm	kN	Ohm/km	mm	Kg/km
3x50+25+1x16	5,90	7,4	1,38	35	680
3x50+35+1x16	6,90	10,3	0,986	35	709
3x50+50+1x16	8,42	14,2	0,72	35	758
3x70+35+1x16	6,90	10,3	0,986	38	876
3x70+50+1x16	8,40	14,2	0,72	38	925
3x95+50+1x16	8,40	14,2	0,72	43	1181
3x95+70+1x16	10,00	20,6	0,50	44	1234
3x120+70+1x16	10,00	20,6	0,50	46	1464

* The above datas are approximate and subject to manufacturing tolerance.