

## UTILITIES

### 0.6/1KV CAL XLPE LOBAC



For aerial reticulating to residential, rural and uncleared areas where reliability, safety and low installation costs are required.

## APPLICATIONS

Aerial

## CABLE CONSTRUCTION

**CONDUCTOR:** Hard Drawn Compacted Aluminum

**INSULATION:** X-90 XLPE **COLOURS:** Black with Ribbed Lines in Lieu of Numbers

## STANDARDS & APPROVALS

**AS/NZS 3560.1**

Cable Standard

**AS/NZS 1125**

Conductor Standard

**AS/NZS 3808**

Material Standard

## CABLE CHARACTERISTICS

Eco cable	No	Halogen free	No
Rated voltage U0/U (Um)	0.6/1 (1.2) kV	Resistant to UV	Moderate
Low smoke	No		

## RECOMMENDED INSTALLATION ENVIRONMENTS

- In Free Air
- Overhead Aerial

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## PHYSICAL CHARACTERISTICS

Part number	Conductor Noninal mm <sup>2</sup>	Conductor Noninal Diam mm <sup>2</sup>	Core Diam min/max mm	Nominal Ins.thick mm	Cable Diam mix/max mm	Min. installed bending radius (Core) mm	Min. installed bending radius (Cable) mm	Cable Weight kg/100m	Cal. min. breaking load kN	Final modulus of elasticity GPa
252CLOBAC	25 x 2c	6.1	8.6/8.2	1.3	17.1/17.8	40	110	20	7.0	59
352CLOBAC	35 x 2c	7.1	9.6 /10.3	1.3	19.2/20.1	40	125	26	9.8	59
502CLOBAC	50 x 2c	8.1	11.0/11.9	1.5	22.0/23.2	50	145	35	14.0	59
952CLOBAC	95 x 2c	11.5	14.7/15.9	1.7	29.4/31.1	70	285	66	26.6	56
254CLOBAC	25 x 4c	6.1	8.6/9.2	1.3	20.6/21.5	40	135	40	14	59
354CLOBAC	35 x 4c	7.1	9.6/10.3	1.3	23.2/24.2	40	150	52	19.6	59
504CLOBAC	50 x 4c	8.1	11.0/11.9	1.5	26.6/28	50	160	71	28.0	59
704CLOBAC	70 x 4c	9.8	12.6/13.6	1.5	30.4/31.5	60	285	96	39.2	56
954CLOBAC	95 x 4c	11.5	14.7/15.9	1.7	35.5/37.5	70	345	131	53.2	56
1204CLOBAC	120 x 4c	13.0	16.2/17.5	1.7	39.1/41.2	70	380	158	67.	56
1504CLOBAC	150 x 4c	14.3	17.5/18.5	1.7	42.2/44.7	80	410	192	84.0	56

Coefficient of Linear thermal expansion for all items is :  $23 \times 10^{-6} / ^\circ\text{C}$  (remember to superscript the -6)

## ELECTRICAL CHARACTERISTICS

Part Number	Conductor Noninal mm <sup>2</sup>	Current Rating (a)	Max DC Resistance at 20°C (Ω/Km)	Max AC Resistance at 80°C (Ω/Km)	Equivalent Star Reactance (Ω/Km)	Voltage Drop mV/A.m	Capacitance pF/km	One Second Fault Rating kA
252CLOBAC	25 x 2c	105	1.20	149	0.102	2.99	402	1.8
352CLOBAC	35 x 2c	125	0.868	1.08	0.0982	2.17	460	2.5
502CLOBAC	50 x 2c	150	0.641	0.796	0.0924	1.6	464	3.6
952CLOBAC	95 x 2c	230	0.320	0.398	0.0868	0.815	566	6.8
254CLOBAC	25 x 4c	97	1.20	1.49	0.102	2.59	402	1.8
354CLOBAC	35 x 4c	120	0.868	1.08	0.0982	1.88	460	2.5
504CLOBAC	50 x 4c	140	0.641	0.796	0.0924	1.39	464	3.6
704CLOBAC	70 x 4c	175	0.443	0.551	0.0893	0.967	553	5.0
954CLOBAC	95 x 4c	215	0.320	0.398	0.0868	0.706	566	6.8
1204CLOBAC	120 x 4c	250	0.253	0.315	0.0844	0.565	631	8.5
1504CLOBAC	150 x 4c	280	0.206	0.257	0.0844	0.469	688	10.7

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