

# MV 1 Core Aluminium



**6.35/11kV Single Core  
XLPE Insulated, Screened and PVC Screened  
Aluminium Conductor, 10kA Fault Rating  
ASNZS1429.1**

**Application:** This cable can be used in power generation and distribution networks. It can be installed in Conduit, cable trunking, on cable trays, in ground and in underground duct.

**Voltage Rating:** 6.35/11kV

**Construction:** Stranded Compacted Aluminium, Triple Extruded Conductor Screened Insulation, Copper Wire Screen

**Outer Sheath:** MDPE

**Temperature Range:** Min -25°, Max 90°

**Bending Radius:** 18 x OD



Part Number	Nominal Conductor Area	Nominal Conductor Diameter	Nominal Insulation Thickness	Nominal diameter over Insulation	Nominal Screen area on each core	Number and nominal diameter of screen wire	Nominal diameter over screen	Nominal diameter overall	Approximate weight	Conductor D.C.resistance at 20°
	mm <sup>2</sup>	mm	mm	mm	mm <sup>2</sup>	No/mm	mm	mm	kg/km	Ω/km
125MVAL11KV10KA	25	6	3.4	14	16.5	29/0.85	17.5	21.1	547	1.2
135MVAL11KV10KA	35	7	3.4	15	22.7	40/0.85	18.5	22.1	654	0.868
150MVAL11KV10KA	50	8.3	3.4	16.3	32.9	23/1.35	20.8	24.4	820	0.641
170MVAL11KV10KA	70	10	3.4	18	45.8	32/1.35	22.5	26.1	1035	0.443
195MVAL11KV10KA	95	11.6	3.4	19.6	61.5	43/1.35	24.1	27.7	1291	0.32
1120MVAL11KV10KA	120	13	3.4	21	68.7	48/1.35	25.5	29.1	1452	0.253
1150MVAL11KV10KA	150	14.5	3.4	22.5	68.7	48/1.35	27.0	30.8	1586	0.203
1185MVAL11KV10KA	185	16.2	3.4	24.2	68.7	48/1.35	28.7	32.7	1734	0.164
1240MVAL11KV10KA	240	18.4	3.4	26.4	68.7	48/1.35	30.9	34.9	1935	0.125
1300MVAL11KV10KA	300	20.6	3.4	28.6	68.7	48/1.35	33.1	37.3	2163	0.1
1400MVAL11KV10KA	400	23.8	3.4	31.8	68.7	48/1.35	36.3	40.7	2502	0.0778
1500MVAL11KV10KA	500	26.6	3.4	34.6	68.7	48/1.35	39.1	43.7	2880	0.0605
1630MVAL11KV10KA	630	30	3.4	38	68.7	48/1.35	42.5	47.5	3394	0.0469

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of ICSLTD is indicative only and shall not be binding on ICSLTD or be treated as constituting a representation on the part of ICSLTD.