

## LV Aerial Bundled Conductor (ABC) Cables

### 600/1000V ABC –Aerial Bundled Cables to AS/NZS 3560.1 (AL/XLPE)

#### Application

The aerial bundled cables designed for overhead distribution lines have all conductors made of aluminium 1350 and insulated with XLPE. Can be used for fixed installation as overhead power lines up to 1000 V incl.

#### Standard

AS/NZS 3560.1

#### Cable Construction

Conductor (for either phase, neutral or street lighting)	The conductors shall be of aluminium 1350 wires and are compacted circular stranded (RM).
Insulation	XLPE.
Assembly	The cores shall be laid up with a left-hand lay.

#### Electrical Properties

Rated Voltage	0.6/1kV
Test Voltage	4 Veff kV
Minimum Laying Temperature	-20°C
Operating Temperature	-40°C~ +90°C
Maximum Short-circuit Temperature	250°C
Maximum Conductor Temperature	80°C
Minimum Bending Radius	18×OD

#### Dimensions

Number of cores x nominal cross section mm <sup>2</sup>	min. breaking load of conductor strand kN	Current rating in the air A	Outer diameter mm	Total weight kg/km
2x16 RM	4.4	78	15.0	140
2x25 RM	7.0	105	17.6	210
2x35 RM	9.8	125	19.6	270
2x50 RM	11.4	150	22.8	370
2x95 RM	15.3	230	30.6	680
3x25 RM	8.8	97	19.0	310
3x35 RM	9.8	120	21.1	410
3x50 RM	11.4	140	24.6	550
4x16 RM	8.8	74	18.1	290
4x25 RM	14.0	97	21.2	410
4x35 RM	19.6	120	23.7	550
4x50 RM	28.0	140	27.5	740

4x70 RM	39.2	175	31.9	1000
4x95 RM	53.2	215	36.9	1370
4x120 RM	67.2	250	40.6	1690
4x150 RM	84.0	280	43.9	2020

other cross-sections on request