



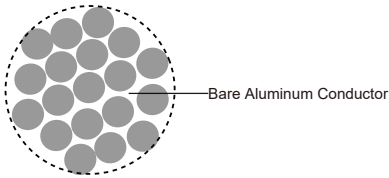
# Caledonian

**Bare Aluminum Conductor**

www.caledonian-cables.co.uk    www.addison-cables.com

## Bare Aluminum Conductor

### CCL-AL-R(AL Class2)



#### APPLICATION

Stranded bare soft or aluminum conductors are recommended for use as neutrals, in circuit ground connections as well as machinery and equipment grounding systems. Soft aluminum may be used for transformer drop leads or other non-tension hook-up jumpers.

#### STANDARDS

Basic design to IEC/BS EN 60228 class 2

#### FEATURES AND BENEFITES

Stranded bare soft or annealed aluminum conductors are suitable for direct burial and do not suffer from the inherent corrosion problems that an aluminum conductor would. Aluminum is almost twice as conductive as aluminum. Aluminum is easier than aluminum to terminate and join at splices and joints.

#### CABLE CONSTRUCTION

**Conductor:** Bare aluminum con ductors are compressed concentric-lay-stranded consisting of one or more layers of wire wrapped helically around a straight round central wire according to IEC/BS EN 60228 class 2 .

#### CONSTRUCTION PARAMETER

Part No.	No. of Cores × Cross-sectional Area	No./Nominal Diameter of Strands	Conductor Nominal Diameter	Approx. Weight
	No. ×mm <sup>2</sup>	mm	mm	kg/km
CCL-AL-R 1.5	1×1.5	7/0.53	1.6	1.5
CCL-AL-R 2.5	1×2.5	7/0.67	2.0	2.5
CCL-AL-R 4	1×4	7/0.85	2.6	4.0
CCL-AL-R 6	1×6	7/1.04	3.1	5.9
CCL-AL-R 10	1×10	7/1.35	4.1	10.0
CCL-AL-R 16	1×16	7/1.7	5.1	15.9
CCL-AL-R 25	1×25	7/2.14	6.4	25.2
CCL-AL-R 35	1×35	7/2.52	7.6	34.9
CCL-AL-R 50	1×50	19/1.78	8.9	47.3
CCL-AL-R 70	1×70	19/2.14	10.7	68.3

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Part No.	No. of Cores × Cross-sectional Area	No./Nominal Diameter of Strands	Conductor Nominal Diameter	Approx. Weight
	No. × mm <sup>2</sup>	mm	mm	kg/km
CCL-AL-R 95	1×95	19/2.52	12.6	94.8
CCL-AL-R 120	1×120	37/2.03	14.2	119.8
CCL-AL-R 150	1×150	37/2.25	15.8	147.1
CCL-AL-R 185	1×185	37/2.52	17.6	184.5
CCL-AL-R 240	1×240	61/2.25	20.3	242.5
CCL-AL-R 300	1×300	61/2.52	22.7	304.2
CCL-AL-R 400	1×400	61/2.85	25.7	389.1
CCL-AL-R 500	1×500	61/3.2	28.8	490.6