

FLALRY Cable



Eland Product Group: A2A

APPLICATION

The FLALRY cable is an aluminium single core reduced wall thickness PVC insulated automotive wire for use in telecommunication overhead contract line and electronics. Offers weight advantages compared to copper cables.

CHARACTERISTICS

Temperature Rating

-40°C to +105°C

CONSTRUCTION

Conductor

To 1mm² : Aluminium alloy
 ≥1.25mm² : Aluminium 99.7%

Insulation

PVC (Polyvinyl chloride)

Sheath Colour

● Red ● Black ● Blue ● Yellow ● Grey ● Brown ○ White
 ● Violet ● Green ● Natural

DIMENSIONS

ELAND PART NO.	NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL NO. AND WIRES DIAMETER No/mm	MAXIMUM CONDUCTOR DIAMETER mm	NOMINAL THICKNESS INSULATION mm	MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A2AT03900075**	1	0.75	11/0.3	1.3	0.24	1.7	1.9	4
A2AT0390010**	1	1.00	16/0.29	1.5	0.24	1.9	2.1	5
A2AT03900125**	1	1.25	16/0.32	1.7	0.24	2.1	2.3	6
A2AT0390015**	1	1.50	16/0.35	1.8	0.24	2.2	2.4	7
A2AT0390020**	1	2.0	15/0.42	2.0	0.28	2.5	2.8	9
A2AT0390025**	1	2.5	19/0.43	2.2	0.28	2.7	3.0	12
A2AT0390030**	1	3.0	23/0.42	2.4	0.32	3.1	3.4	14
A2AT0390040**	1	4.0	30/0.42	2.8	0.32	3.4	3.7	17
A2AT0390050**	1	5.0	36/0.42	3.1	0.32	3.9	4.2	19
A2AT0390060**	1	6.0	45/0.42	3.4	0.32	4.0	4.3	23
A2AT0390080**	1	8.0	59/0.42	4.3	0.32	4.6	5.0	29
A2AT039010**	1	10.0	50/0.52	4.5	0.48	5.3	6.0	43
A2AT039012**	1	12.0	60/0.52	5.4	0.48	5.8	6.5	50
A2AT039016**	1	16.0	78/0.52	5.8	0.52	6.4	7.2	63

COLOUR	Red	Black	Blue	Yellow	Grey	Brown	White	Violet	Green	Natural
CODE	RD	BK	BL	YW	GR	BR	WH	VI	GN	NT

STANDARDS

ISO 6722 Class B

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR ELECTRICAL RESISTANCE AT 20 °C mΩ/m
0.75	43.6
1.00	32.7
1.25	24.8
1.50	21.2
2.0	15.7
2.5	12.7
3.0	10.2
4.0	7.85
5.0	6.57
6.0	5.23
8.0	3.97
10.0	3.03
12.0	2.53
16.0	1.93