

FLALRYW Cable



Eland Product Group: A2A

APPLICATION

The FLALRYW cable is an aluminium single core reduced wall thickness PVC insulated automotive wire suitable for applications inside the engine compartment. Heat resistant.

CHARACTERISTICS

Temperature Rating

-40°C to +125°C

CONSTRUCTION

Conductor

to 1 mm² : Aluminium Alloy
 ≥1.25 mm² : 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
A2AT04000075**	1	0.75	11/0.3	1.3	0.24	1.7	1.9	4
A2AT0400010**	1	1.00	16/0.29	1.5	0.24	1.9	2.1	5
A2AT04000125**	1	1.25	16/0.32	1.7	0.24	2.1	2.3	6
A2AT0400015**	1	1.50	16/0.35	1.8	0.24	2.2	2.4	7
A2AT0400020**	1	2.00	15/0.42	2.0	0.28	2.5	2.8	9
A2AT0400025**	1	2.50	19/0.43	2.2	0.28	2.7	3.0	12
A2AT0400030**	1	3.00	23/0.42	2.4	0.32	3.1	3.4	14
A2AT0400040**	1	4.00	30/0.42	2.8	0.32	3.4	3.7	17
A2AT0400050**	1	5.00	36/0.42	3.1	0.32	3.9	4.2	19
A2AT0400060**	1	6.00	45/0.42	3.4	0.32	4.0	4.3	23
A2AT0400080**	1	8.00	59/0.42	4.3	0.32	4.6	5.0	29
A2AT040010**	1	10.00	50/0.52	4.5	0.48	5.3	6.0	43
A2AT040012**	1	12.00	60/0.52	5.4	0.48	5.8	6.5	50
A2AT040016**	1	16.00	78/0.52	5.8	0.52	6.4	7.2	63

STANDARDS

ISO 6722 Class C

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™.



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

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
2.00	15.7
2.50	12.7
3.00	10.2
4.00	7.85
5.00	6.57
6.00	5.23
8.00	3.97
10.00	3.03
12.00	2.53
16.00	1.93