

FLR51Y-B Cable



Eland Product Group: A2A

APPLICATION

The FLR51Y-B cable is a reduced wall thickness PFA insulated automotive cable used for cable harnesses offering resistance to oils, fuels, breaking fluids, acids, lyes and organic media. Heat resistant.

CHARACTERISTICS

Temperature Rating

-40°C to +250°C

CONSTRUCTION

Conductor

Plain, Tinned, Silver or Nickel plated copper (Type B)

Insulation

PFA (Perfluoroalkoxy Alkanes)

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
A2AT031000035**	1	0.35	12/0.21	0.90	0.20	1.25	1.4	4.5
A2AT03100005**	1	0.50	16/0.21	1.00	0.22	1.50	1.6	6.6
A2AT03100075**	1	0.75	24/0.21	1.20	0.24	1.75	1.9	9.0
A2AT0310010**	1	1.00	32/0.21	1.35	0.24	1.9	2.1	11
A2AT0310015**	1	1.50	30/0.26	1.70	0.24	2.2	2.4	16
A2AT0310025**	1	2.50	50/0.26	2.20	0.28	2.75	3.0	26

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
0.35	55.5
0.50	38.2
0.75	25.4
1.00	19.1
1.50	13.0
2.50	7.82

STANDARDS

ISO 6722 Class H

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™.

