

FLR51Y-A Cable



Eland Product Group: A2A

APPLICATION

The FLR51Y-A cable is a reduced wall thickness PFA insulated automotive cable is 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 A)

Insulation

PFA (Perfluoroalkoxy Alkanes)

Sheath Colour

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

STANDARDS

ISO 6722 Class H

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].



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
A2AT030000013**	1	0.13	7/0.16	0.50	0.20	1.0	1.10	2.4
A2AT030000014**	1	0.14	7/0.16	0.50	0.20	1.05	1.10	2.4
A2AT030000022**	1	0.22	7/0.21	0.70	0.20	1.1	1.20	3.1
A2AT030000035**	1	0.35	7/0.26	0.70	0.20	1.25	1.30	4.5
A2AT03000005**	1	0.50	19/0.19	1.00	0.22	1.5	1.60	6.6
A2AT03000075**	1	0.75	19/0.23	1.20	0.24	1.75	1.90	9.0
A2AT0300010**	1	1.00	19/0.26	1.35	0.24	1.9	2.10	11
A2AT0300015**	1	1.50	19/0.32	1.70	0.24	2.2	2.40	16
A2AT0300025**	1	2.50	19/0.41	2.20	0.28	2.75	3.00	26

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR ELECTRICAL RESISTANCE AT 20 °C mΩ/m
0.13	142
0.14	142
0.22	87.9
0.35	55.5
0.50	38.2
0.75	25.4
1.00	19.1
1.50	13.0
2.50	7.82

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