



FL91Y Cable



Eland Product Group: A2A

APPLICATION

The FL91Y cable is a TPE insulated low-tension automotive cable is used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

CHARACTERISTICS

Temperature Rating

-40°C to +125°C

CONSTRUCTION

Conductor

Bare Copper ETP1

Insulation

TPE-O (Thermoplastic Elastomer)

Sheath Colour

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

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™.



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
A2AT0370060**	1	6	84/0.31	3.3	0.8	4.6	5.0	73
A2AT037010**	1	10	80/0.41	4.5	1.0	6.0	6.5	120
A2AT037016**	1	16	126/0.41	6.3	1.0	7.0	8.1	177
A2AT037025**	1	25	196/0.41	7.8	1.3	8.7	10.2	275
A2AT037035**	1	35	276/0.41	9.0	1.3	10.0	10.7	373
A2AT037050**	1	50	400/0.41	10.5	1.5	11.9	13.0	541
A2AT037070**	1	70	560/0.41	12.5	1.5	14.0	15.0	734
A2AT037095**	1	95	740/0.41	14.8	1.6	15.4	16.2	956
A2AT037120**	1	120	960/0.41	16.5	1.6	18.7	19.7	1218



ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR ELECTRICAL RESISTANCE AT 20 °C mΩ/m
6	3.1
10	1.82
16	1.16
25	0.74
35	0.53
50	0.37
70	0.30
95	0.20
120	0.15

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