

FLR12Y-A Cable



Eland Product Group: A2A

APPLICATION

The FLR12Y-A cable is a reduced wall thickness TPE-E insulated single-core cable for automotive applications used for cable harnesses.

CHARACTERISTICS

Temperature Rating

-40°C to +150°C

CONSTRUCTION

Conductor

Bare Copper ETP1 (Type A)

Insulation

TPE-E (Thermoplastic Elastomer)

Sheath Colour

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

STANDARDS

DIN EN 13602, ISO 6722 Class D

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
A2AT025000022**	1	0.22	7/0.21	0.70	0.20	1.1	1.20	3.1
A2AT025000035**	1	0.35	7/0.26	0.70	0.20	1.2	1.30	4.5
A2AT025000005**	1	0.50	19/0.19	1.00	0.22	1.4	1.60	6.6
A2AT025000075**	1	0.75	19/0.23	1.20	0.24	1.7	1.90	9.0
A2AT0250010**	1	1.00	19/0.26	1.35	0.24	1.9	2.10	11
A2AT0250015**	1	1.50	19/0.32	1.70	0.24	2.2	2.40	16
A2AT0250025**	1	2.50	19/0.41	2.20	0.28	2.7	3.00	26



ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR ELECTRICAL RESISTANCE AT 20 °C mΩ/m
0.22	86.5
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				