



● Introduction

DIN 76722 FLRY-A FLRY-B PVC insulation automotive cable are essential automotive cables designed to meet the rigorous requirements of modern vehicles. These cables are specified under the DIN standard and are known for their flexibility, durability, and reliable performance in automotive electrical systems.

● Application

The FLRY-A and FLRY-B automotive cables are versatile solutions for a wide range of applications within vehicles. They are suitable for general wiring needs, including both interior and exterior installations, ensuring reliable power distribution throughout the vehicle. Additionally, these cables are ideal for use in lighting systems, providing consistent power to headlamps, tail lights, and indicators. Furthermore, they are well-suited for connecting instruments and gauges in instrument panels, facilitating accurate readings and reliable operation. Moreover, FLRY-A and FLRY-B cables are essential for power distribution systems, delivering power to various electrical and electronic components. Lastly, they are suitable for connecting control units, sensors, and other components in control systems, ensuring dependable electrical connections for optimal vehicle performance.

● Advantage

Reduced Cross-section:

Both FLRY-A and FLRY-B feature a reduced cross-section design, making them ideal for space-saving applications within vehicles.

PVC Insulation:

The cables are insulated with high-quality polyvinyl chloride (PVC), which offers excellent electrical properties, durability, and resistance to chemicals and abrasion.

High Flexibility:

Designed to be highly flexible, these cables can easily navigate tight spaces and complex routing paths within modern vehicles. This flexibility aids in reducing the risk of damage during installation and operation.

● Performance

Temperature Range: -40°C to 105°C

Rated Voltage: AC 30V, DC 60V

FL: Automotive cable

R: Reduced thickness insulation according to DIN ISO 6722, Part 4

Y: Soft-PVC (plasticised)

● Construction

Conductor: Flexible copper conductor, plain or tinned (concentric lay)

Insulation:

FLRY-A: PVC (Polyvinyl Chloride) (thin wall)

FLRY-B: PVC (Polyvinyl Chloride) (thick wall)

● Specification

-DIN 76722: covers the construction, dimensions, performance requirements, and testing methods for automotive cables

● Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

● Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.



● National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Nominal Cross-Section Area	No. and Dia. of Wires	Conductor		Min. Insulation Thickness	Cable	
		Max. Dia.	Max. Electrical Resistance at 20°C		Max. Overall Dia.	Approx. Weight
mm ²	no./mm	mm	Ω/km	mm	mm	kg/km
FLRY-A Cable						
1x0.22	7/0.21	0.70	84.80/86.50	0.20	1.20	3
1x0.35	7/0.26	0.80	52.00/54.50	0.20	1.30	5
1x0.50	19/0.19	1.00	37.10/38.20	0.22	1.60	7
1x0.75	19/0.23	1.20	24.70/25.40	0.24	1.90	9
1x1.00	19/0.26	1.35	18.50/19.10	0.24	2.10	11
1x1.50	19/0.32	1.70	12.70/13.00	0.24	2.40	16
1x2.00	19/0.37	2.00	9.42/9.69	0.24	2.60	23
1x2.50	19/0.41	2.20	7.60/7.80	0.28	3.00	26
FLRY-B Cable						
1x0.35	12/0.21	0.90	52.00/55.50	0.20	1.40	5
1x0.50	16/0.21	1.00	37.10/38.20	0.22	1.60	7
1x0.75	24/0.21	1.20	24.70/25.40	0.24	1.90	9
1x1.00	32/0.21	1.35	18.50/19.10	0.24	2.10	11
1x1.50	30/0.26	1.70	12.70/13.00	0.24	2.40	16
1x2.00	30/0.31	1.90	9.31/9.59	0.24	2.60	22
1x2.50	50/0.26	2.20	7.60/7.80	0.28	3.00	26
1x3.00	45/0.31	2.40	6.21/6.40	0.28	3.20	33
1x4.00	56/0.31	2.75	4.70/4.80	0.32	3.70	42
1x6.00	84/0.31	3.30	3.10/3.20	0.32	4.30	61
1x10.00	80/0.41	4.50	1.82/1.85	0.48	6.00	108