



● **Application**

DIN 76722 FLR2X XLPE insulation automotive cable is reduced wall thickness XLPE insulated single-core unshielded low-tension wire used in the automotive industry a robust and reliable solution for modern automotive electrical systems, offering superior thermal stability, mechanical strength, and chemical resistance. This cable is ideal for applications requiring enhanced performance and durability, ensuring safe and efficient power distribution throughout the vehicle. Whether used in general wiring, lighting systems, instrument panels, power distribution, or control systems, the FLR2X cable meets the high standards of the automotive industry, providing long-term reliability and performance.

● **Advantage**

**Thermal Stability:** The XLPE insulation allows the cable to withstand higher temperatures, making it suitable for use in under-hood and other high-temperature environments.  
**Durability:** Enhanced mechanical strength and resistance to wear and tear ensure long-lasting performance.  
**Chemical Resistance:** Excellent resistance to automotive fluids and chemicals extends the cable's lifespan.  
**Reliability:** Consistent quality and compliance with DIN 76722 standards ensure reliable operation in critical automotive applications.  
**Versatility:** Suitable for a wide range of applications within the vehicle, making it a versatile choice for automotive manufacturers and repair professionals.

● **Performance**

Temperature Range: -40°C to 125°C  
 Rated Voltage: AC 30V, DC 60V  
 FL: Automotive cable  
 R: Reduced thickness insulation according to DIN ISO 6722, Part 4  
 X: XLPE

● **Construction**

Conductor: Annealed stranded copper ( Type A & Type B)  
 Insulation: XLPE

● **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, TUV Rheinland 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		Approx. Weight
		Max. Dia.	Max. Electrical Resistance at 20°C		Min. Overall Dia.	Max. Overall Dia.	
mm <sup>2</sup>	no./mm	mm	Ω/km	mm	mm	mm	kg/km
FLR2X-A Cable							
0.22	7/0.21	0.7	86.5	0.2	1.15	1.2	3.4
0.35	7/0.27	0.9	54.4	0.25	1.2	1.3	4
0.5	19/0.19	1.1	37.1	0.28	1.4	1.6	7
0.75	19/0.24	1.3	24.7	0.3	1.7	1.9	9.5
1	19/0.27	1.5	18.5	0.3	1.9	2.1	12
1.5	19/0.33	1.8	12.7	0.3	2.2	2.4	17
2.0	19/0.38	2.0	9.42	0.28	2.8	2.85	26
2.5	37/0.28	2.2	7.6	0.35	2.7	3.0	27
FLR2X-B Cable							
0.35	12/0.21	0.9	52	0.2	-	1.4	4.5
0.5	16/0.21	1.1	37.1	0.28	1.4	1.6	6.5
0.75	24/0.21	1.3	24.7	0.3	1.7	1.9	9
1.0	32/0.21	1.5	18.5	0.3	1.9	2.1	12
1.5	30/0.26	1.8	12.7	0.3	2.2	2.4	16.5
2.0	28/0.31	2.0	9.69	0.28	2.65	2.8	22
2.5	50/0.26	2.2	7.6	0.35	2.7	3.0	27
3.0	44/0.31	2.4	6.36	0.32	3.25	3.4	35
4	56/0.31	2.8	4.71	0.4	3.4	3.7	43
6.0	84/0.31	3.4	3.14	0.4	4.0	4.3	61
10	80/0.41	4.5	1.82	0.6	5.3	6.0	108
16	126/0.41	5.8	1.16	0.65	6.4	7.2	161
20	152/0.41	6.3	0.955	0.65	7.0	7.8	200
25	196/0.41	7.2	0.743	0.65	7.9	8.7	257