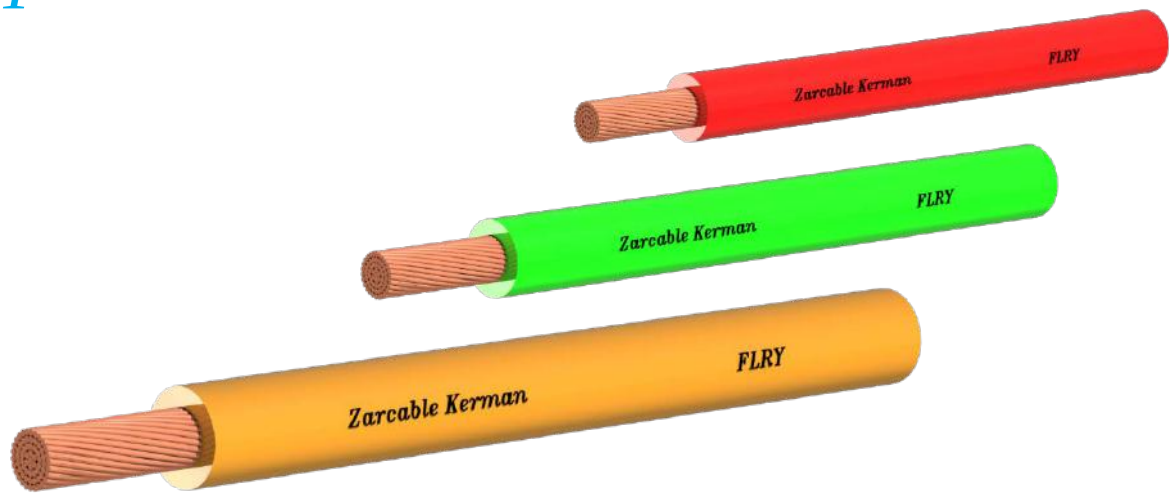
FLRY

CU/PVC



Single core Low-Tension cable with thin wall Insulation

Construction

Conductor: Copper conductor fine wire stranded as per DIN ISO 6722 part 3 . Type A&B

Insulation: Soft-PVC with properties according to ISO 6722-1, Class B

Insulation colour: ● Black, ● Blue, ● Orange, ● Red, ○ White
Other colours available upon request

Abbreviations
FL: automotive wire
R: Reduced insulation wall
Y: PVC
Type A: : Conductor make-up symmetrical
Type B: : Conductor make-up unsymmetrical

Properties :
Oil and fuel resistant as per DIN ISO 6722 part 2

Special characteristics: Place and weight saving by using the Reduced insulation wall thickness.

Technical data

Temperature range:

Max Working Temperature :	+105 °C
Min Working Temperature :	- 40 °C
Hot-pressure resistance test at:	+120 °C

Nominal voltage: 25V AC - 60V DC

Test voltage: 3kv i.e < 0.5mm^2
5kv i.e > 0.5mm^2

Minimal inner bending radius: single core :8 x D

Withstand Voltage test : Spark :5000V for 15sec
Immersion :1000V for 1Min

DESIGN STANDARDS

ISO 6722
GMW 15626

APPLICATION

Low-tension electric wire for Automobiles. Used in Motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits. Flame retardant. Highly resistant against acids, Petrol and diesel. Flexible conductors with thin wall insulation.

FLRY -Type A x (0.22-2.5)mm²

CU/PVC

Conductors				Insulation				Standard Packing Length (m)
Nominal Size mm²	No of Single Wires	Diameter of single Wire Max(mm)	Resistance at 20 ℃ (Max.), Ω/km	Nominal Thickness (mm)	Outside diameter Min (mm)	Outside diameter Max (mm)	Approx. weight (Kg/Km)	
0.22	7	0.21	84.8	0.25	1.10	1.20	3.5	1500
0.35	7	0.27	54.4	0.25	1.20	1.30	5	1500
0.5	19	0.19	37.1	0.28	1.40	1.60	7	1000
0.75	19	0.24	24.7	0.30	1.70	1.90	10	1000
1.0	19	0.27	18.5	0.30	1.90	2.10	11	1000
1.5	19	0.33	12.7	0.30	2.20	2.40	16	700
2.5	37	0.28	7.6	0.35	2.70	3.00	27	400

FLRY -Type B x (0.35-25)mm²

CU/PVC

Conductors				Insulation				Standard Packing Length (m)
Nominal Size mm²	No of Single Wires	Diameter of single Wire Max(mm)	Resistance at 20 ℃ (Max.), Ω/km	Nominal Thickness (mm)	Outside diameter Min (mm)	Outside diameter Max (mm)	Approx. weight (Kg/Km)	
0.35	12	0.21	54.4	0.25	1.2	1.40	5	2000
0.5	16	0.21	37.1	0.28	1.4	1.60	7	2000
0.75	24	0.21	24.7	0.3	1.7	1.90	9	1500
1.0	32	0.21	18.5	0.3	1.9	2.10	12	1000
1.5	30	0.26	12.7	0.3	2.20	2.40	16	1000
2.0	28	0.31	9.42	0.35	2.50	2.80	22	1000
2.5	50	0.26	7.6	0.35	2.70	3.00	27	1000
4	56	0.31	4.71	0.4	3.40	3.70	43	1000
6	84	0.31	3.14	0.4	4.00	4.30	62	500
10	80	0.41	1.82	0.6	5.30	6.00	109	500
16	126	0.41	1.16	0.65	6.40	7.20	171	500
25	196	0.41	0.743	0.65	7.90	8.70	265	500