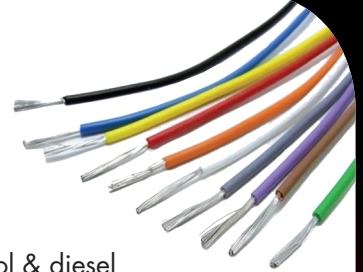


## FLRY – B Cables with Thin Wall PVC Insulation



### APPLICATIONS

- Low-tension electric wire for Automobiles
- Used in motor vehicles for starting, charging, lighting, signal, fuel gauge and instrument panel circuits

### PROPERTIES

- Flame Retardant
- Highly resistant acids, lyes, petrol & diesel
- Flexible conductor with thin wall insulation for extra flexibility

### TECHNICAL DATA

Core	: Single
Conductor	: Soft-annealed electrolytic Copper E-Cu ETP1 according to DIN 13602, bare or tinned. Conductor construction according to DIN 72551, Part 6, type B and ISO 6722
Insulation	: Soft PVC with properties according to ISO 6722-1 Class B, Lead free
Test Voltage	: 3kV (r.m.s.) for cables < 0.5 mm <sup>2</sup> 5kV (r.m.s.) for cables ≥ 0.5 mm <sup>2</sup>
Colour	: As per customer requirement
Standard Length	: 250/500/1000m

**TEMPERATURE RANGE -40°C to 105°C**



Nominal Cross Section Area	Conductor Construction				Insulation Min Wall Thickness	Outer Diameter		Weight Approx
	No of Strands*	Dia of Strands (Max)	Bunched Dia (Max)	Max Conductor Resistance at 20°C **		Max Overall Diameter	Limit Tolerance	
sqmm		mm	mm	ohms/km	mm	mm	mm	kg/km
0.22	7	0.21	0.7	84.8 / 86.5	0.20	1.2	-0.2	2
0.35	12	0.21	0.9	54.4 / 55.5	0.20	1.4	-0.2	5
0.5	16	0.21	1	37.1 / 38.2	0.22	1.6	-0.2	7
0.75	24	0.21	1.2	24.7 / 25.4	0.24	1.9	-0.2	9
1	32	0.21	1.35	18.5 / 19.1	0.24	2.1	-0.2	11
1.25	16	0.33	1.7	14.9 / 15.9	0.24	2.3	-0.2	14
1.5	30	0.26	1.7	12.7 / 13.0	0.24	2.4	-0.2	16
2	28	0.31	2	9.42 / 9.69	0.28	2.8	-0.3	23
2.5	50	0.26	2.2	7.60 / 7.80	0.28	3.0	-0.3	26
3	45	0.31	2.4	6.15 / 6.36	0.32	3.4	-0.3	34
4	56	0.31	2.8	4.71 / 4.85	0.32	3.7	-0.3	42
5	65	0.33	3.1	3.94 / 4.02	0.32	4.2	-0.3	52
6	84	0.31	3.3	3.14 / 3.23	0.32	4.3	-0.3	61
8	50	0.46	4.3	2.38 / 2.52	0.32	5.0	-0.4	87
10	80	0.41	4.5	1.82 / 1.85	0.48	5.8	-0.4	108
12	96	0.41	5.4	1.52 / 1.60	0.48	6.5	-0.7	122
16	126	0.41	5.5	1.16 / 1.18	0.52	7.0	-0.5	170
20	152	0.41	6.9	0.955 / 0.999	0.52	7.8	-0.8	194
25	196	0.41	7	0.743 / 0.757	0.52	8.7	-0.8	265
35	278	0.41	8	0.527 / 0.538	0.64	10.4	-1.0	300
50	396	0.41	10	0.368 / 0.375	0.71	12.2	-1.2	425
70	360	0.51	12.5	0.259 / 0.270	0.80	14.4	-1.5	625

**Note:** \*No. of strands and Dia of strands will be such as to meet the C.R. Value w \*\* bare copper value / tinned copper value

**Disclaimer:** This data sheet is only for reference. This data sheet and all its information is proprietary of Nysha Mobility Tech Private Limited. We reserve the right to make changes in the design and specification at any time due to continuous product upgradation.